

AN
AUTHENTIC ACCOUNT
OF
AN EMBASSY
FROM
THE KING OF GREAT BRITAIN
TO THE EMPEROR OF CHINA;

INCLUDING
CURSORY OBSERVATIONS MADE, AND INFORMATION
OBTAINED, IN TRAVELLING THROUGH THAT
ANCIENT EMPIRE, AND A SMALL PART
OF CHINESE TARTARY.

TOGETHER WITH A RELATION OF THE
VOYAGE UNDERTAKEN ON THE OCCASION BY HIS MA-
JESTY'S SHIP THE LION, AND THE SHIP HINDOSTAN,
IN THE EAST INDIA COMPANY'S SERVICE, TO THE
YELLOW SEA, AND GULF OF PEKIN; AS WELL AS OF
THEIR RETURN TO EUROPE;

WITH NOTICES OF
The several places where they stopped in their way out and home; be-
ing the Islands of Madeira, Teneriffe, and St. Jago; the Port of Rio
de Janeiro in South America; the Islands of St. Helena, Tristan
d'Acunha, and Amsterdam; the Coasts of Java, and Sumatra, the
Nanka Isles, Pulo-Condore, and Cochinchina.

TAKEN CHIEFLY FROM THE PAPERS OF
HIS EXCELLENCY THE EARL OF MACARTNEY, Knight
of the Bath, His Majesty's Ambassador Extraordinary and Plenipotentiary to
the Emperor of China; Sir ERASMUS GOWER, Commander of the Ex-
pedition, and of other Gentlemen in the several departments of the Embassy.

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Society of London, his Majesty's Secretary of Embassy to the Emperor of
China, and Minister Plenipotentiary in the absence of the Ambassador.

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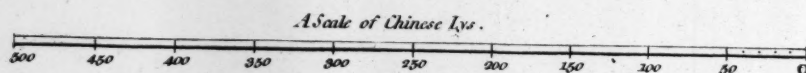
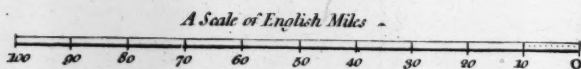
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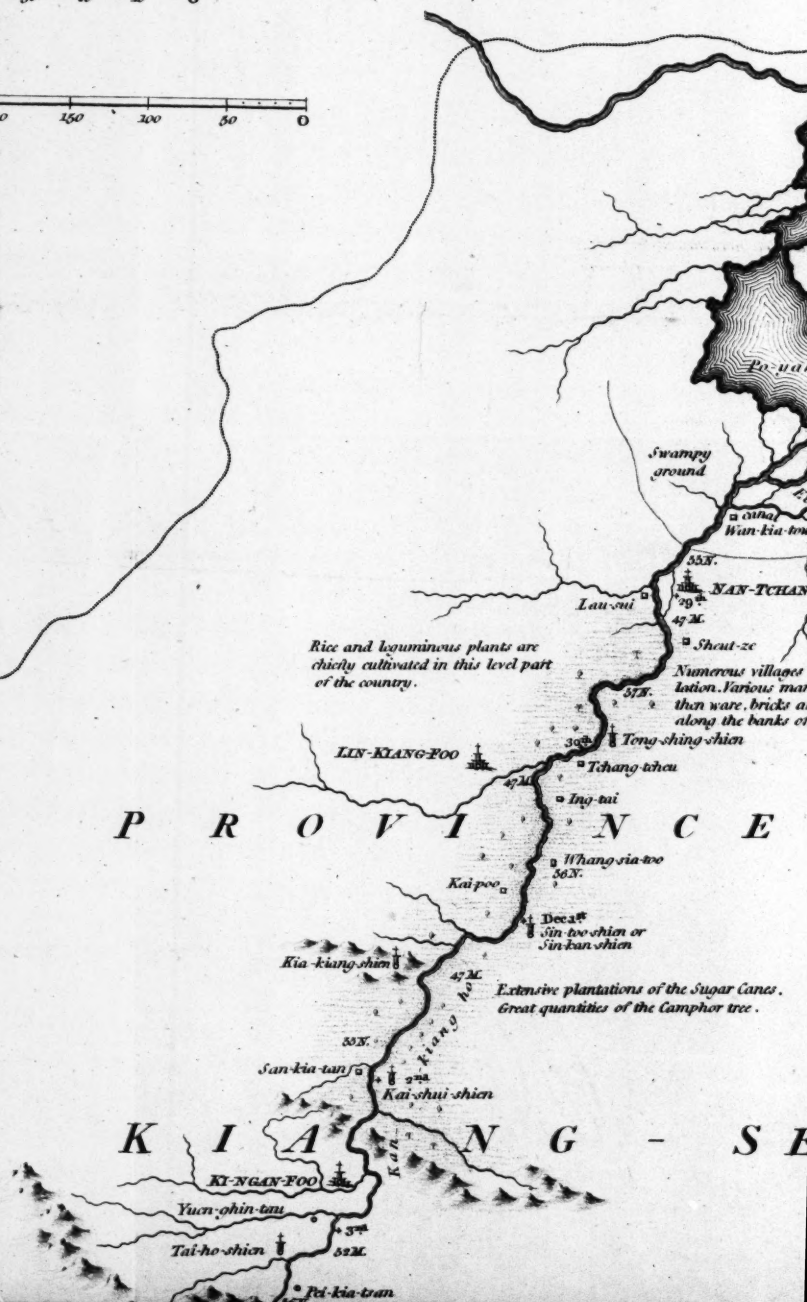
SKETCH
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HANG-TCHOO-FOO
TO
QUANG-TCHOO-FOO
OR
CANTON IN CHINA

by J. Burrow.



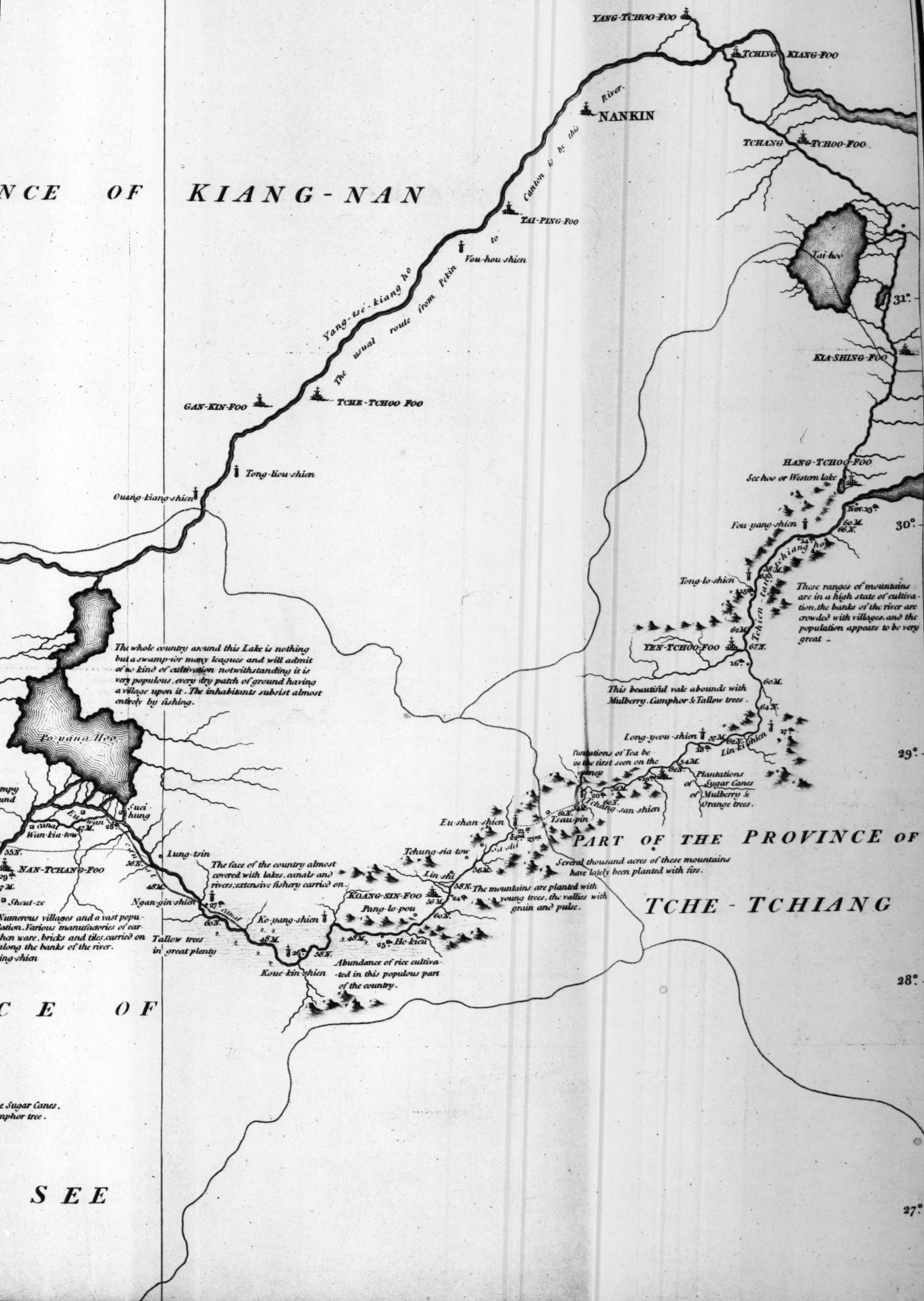
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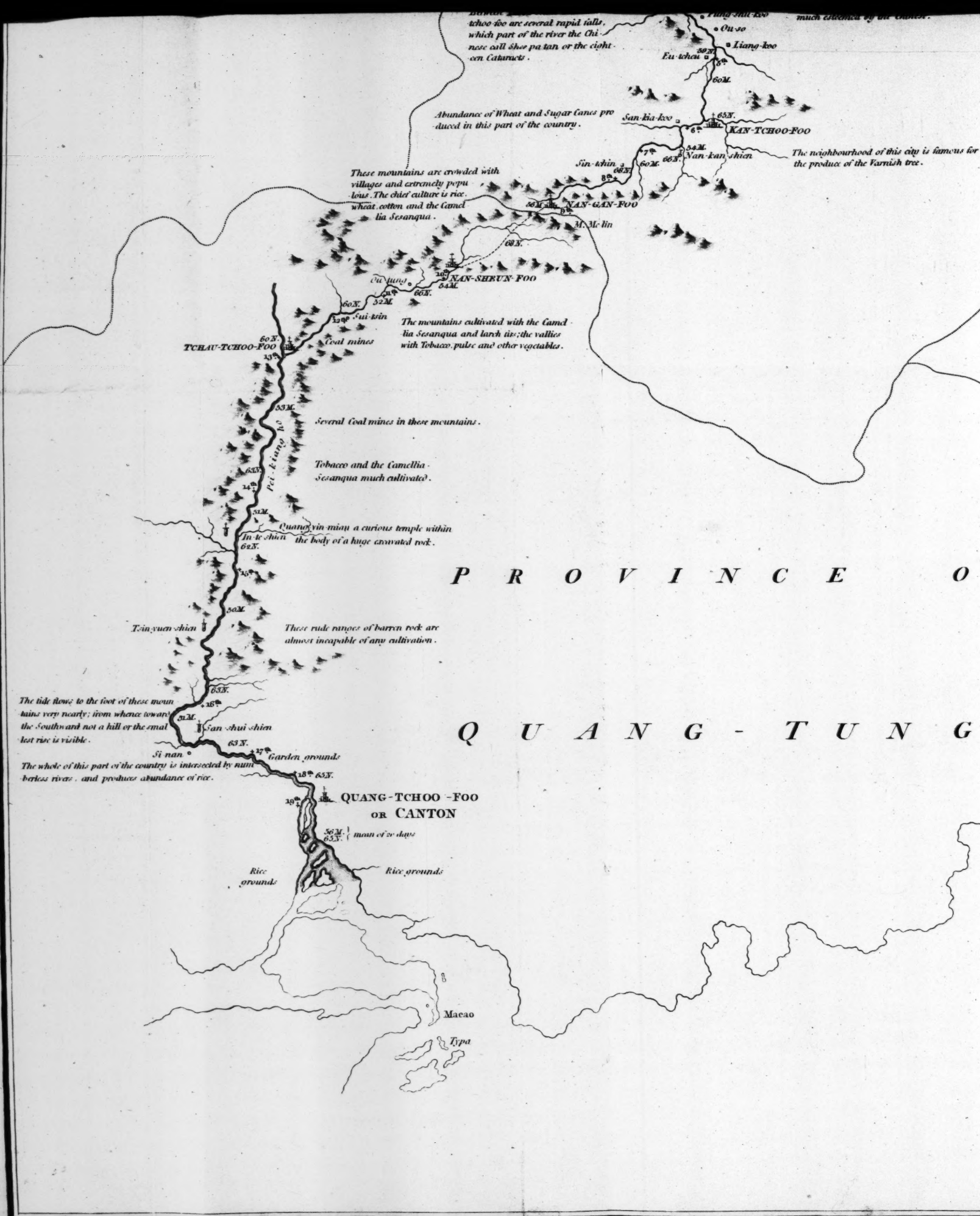
The figures express the temperature of places, at the time when
replied, shown by Fahrenheit's Thermometer in the shade.
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+ Halting places
~ Sluices across the Canal
- Bridges &c.



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S T R A I T O F F O R M O S A

EMBASSY TO CHINA.

CHAPTER I.

VISIT TO THE EMPEROR OF CHINA'S COURT AT HIS
SUMMER RESIDENCE IN TARTARY.

THE Ambassador was visited on his arrival in Tartary, by a military mandarine of that nation. He belonged to the palace, and tho' of the same rank with Van-ta-zhin, the latter would scarcely venture to sit down in his presence; so great is the respect affected by the Chinese towards the Tartars of the court. The meanest Tartar assumes some consequence on his own ground. One of the attendants of that country was about to be punished for some misdemeanour, by order of the Chinese mandarines; but he resisted with much vehemence, loudly exclaiming, that no Chinese had a right of exercising authority over him on the Tartar side of the great wall.

In the villages beyond the wall, there were yet to be seen several Chinese families, and women with little feet. It is not said, that any of a Tartar race have imitated the Chinese in the

mutilation of their limbs; tho they frequently have in other respects.

As the travellers advanced into Tartary, the season was also growing cooler, the roads more rugged, the mountains less richly clothed, the trees, beside different sorts of pines of no great size, were chiefly stunted oaks of the two species called the English and Russian oaks, as well as the aspen, elm, hazel, and walnut trees, diminished to the size of shrubs. All these generally grew on the south side of the mountains; the other sides often bearing little more than thorny shrubs, with a scanty covering of parched grass. Bears, wolves, and even tigers are said to harbour in these woods.

In the plains, or rather vallies, that species of the hare abounds, which is described as having the quality, like some other animals in colder regions, of becoming, from being brown or red in summer, quite white in winter. This hare is remarkable, likewise, for the extraordinary length of his feet and toes, which joining together, when he leaps over snow, form a broad base that supports him from sinking into it.

Hares are seldom hunted by dogs in Tartary but are driven, as well as other animals of the chase, into snares by crowds of people forming



a large circle, from the circumference of which, they gradually approach to the centre, beating the bushes, and making loud noises as they advance. The animals are reduced at last into a very small space, in which they are easily secured.

The dog becomes, particularly in Tartary, the faithful companion of the peasant. It is a small species, with a long recurved tail, of which caprice or fashion does not deprive him; and which is generally leaning to the left, as Linnaeus remarks of the domestic dog. That of Tartary seldom barks in the day time.

The prospects which offered themselves to the travellers on the present journey were often pleasing and romantic; but they were limited to narrow bounds. He who, for the first time, is about to pass over a mountainous country, may be apt to expect that he is soon to find himself on elevated ground, in respect to every thing within his view; but it generally is otherwise. Roads are for the most part traced at the foot, instead of rising to the tops, of mountains; and the traveller is frequently doomed to move at the bottom of vallies, with a contracted horizon and a darkened atmosphere.

In villages dispersed through such vallies

many of the inhabitants were found labouring under a disorder observed in similar situations in the Alps, and known there by the name of goitre, or swelled neck. The glands of the throat begin at an early age to swell, and gradually increase, in some, to an enormous size. The swelling begins immediately below the parotid gland, and generally extends under the jaws from ear to ear, affecting all the submaxillary glands. Dr. Gillan estimated that nearly one-sixth of the inhabitants he saw had this deformity; which is said, however, not to appear such in the eyes of those villagers. Both sexes are subject to these swellings; but females more than males, the latter removing oftener from the spots where the causes exist, whatever they may be, that occasion them.

These preternatural tumours did not appear to be attended with any other symptoms, affecting the general health or corporal functions of those in whom they were observed. But the minds of many of them were much weakened and perhaps of all in a less degree. Some were reduced to an absolute state of idiocy. The spectacle of such objects, which fails not to convey a serious and even a melancholy impression on persons who view them for the first time, pro-

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duces no such effect upon those among whom they are bred. The objects themselves are in their general habits cheerful, and lead a mere animal life, ascontradistinguished from that in which any thought or reflection is concerned. As they act alone from instinct, or the mere impulse of the senses, so their actions, however injurious they may happen to prove to others, are free from intentional malice, and occasion no resentment. Their persons are considered in some degree as sacred; and they are maintained by their families with peculiar care.

Whatever be the cause which occasions goitres in the human frame, it has no perceptible effect upon other animals. This cause is generally supposed, both in Europe and in Asia, to be the frequent use of snow water. Melted snow is found, indeed, to contain a little more calcareous earth than rain water, together with a very small proportion of the acids of nitre and sea salt: but snow water, however much used in such open countries as are often covered with snow, has not been observed to produce similar obstructions. It is likely, that a particular state of the atmosphere among mountains, must concur towards operating this effect. The part of Tartary where this disease abounds, has many

alpine features, much resembling Savoy and Swisserland.

No volcanic production appeared throughout this route. During the seventh or last day's journey, the ridges of the mountains went nearly parallel to the road. Those ridges described almost horizontal lines, consisting of huge rocks of granite, differing much in size from each other, and arranged like the vertebræ of a quadruped. These rocks were covered with, at top, a slight sod; but their sides were entirely naked, the earth which formerly had adhered to them, having descended considerably lower. About midway between the upper ridge and the bottom of the valley was a perpendicular rock, or antique ruin, for its first appearance gave rise to both conjectures. Its height exceeded two hundred feet. It was sensibly wider at the top than at the base. Its form was irregular. Tall shrubs were growing from its upper surface. It being at a considerable distance, a gentleman went from the road to examine this object more particularly. It was not the remains of any building; it was not an entire rock; but consisted of indurated clay, inclosing gravel in large masses. It was, no doubt, of a more compact nature than the soil which had surrounded it, and which yielded

to the violence of the torrents, sweeping every thing else away, and leaving this inverted pyramid as a monument of the height of the ancient surface of the globe in this particular part of it. The base of such monument denoted the depth to which the earth had been washed away; the light and soft particles being waisted down, and gradually deposited where they have formed the smooth and fertile plains of Pe-che-lee, mentioned in a former chapter; while the harder and heavier parts, soon arrested in their progress, constitute the rough surface of the glens of Tartary. The removal of a layer of soil, two hundred feet in depth, from the upper to the lower grounds, for such a vast extent, is a greater change upon the globe than any mentioned in the records of mankind. The sudden inundations, of which accounts had been transmitted to posterity, are not described as having produced any permanent effect. Indeed, different parts of the globe itself sufficiently indicate that extraordinary alterations have happened upon its surface since it became of a temperature adapted to animal life. The rock of Gibraltar is not the only eminence in the interior substance of which have been found incorporated the bones of animated beings, who must have lived and

perished before the formation of the mountains, of which those bones form now a part.

The ascent to Tartary is such, that some parts of it have been ascertained to be fifteen thousand feet above the surface of the Yellow sea. This elevation is known to increase considerably the cool temperature of the atmosphere.

Amidst high grounds, and a little beyond the inverted pyramid above described, the mountains receding somewhat from each other, opened to the present travellers the valley of Zhe-hol, where his Imperial Majesty retires in summer from his Chinese dominions, to a palace and pleasure grounds; the former called the Seat of grateful Coolness, and the latter the Garden of innumerable Trees.

The Ambassador with his suite and guard proceeded in due order towards Zhe-hol. The road near to it was perceptible from an eminence in the Emperor's garden. From thence, as was afterwards reported to his Excellency, his Imperial Majesty had the curiosity to view the procession of the Embassy. It was received with military honours, amidst a crowd of spectators, on horseback and on foot. Several of the latter were entirely clad in yellow garments. Their heads were covered with round yellow hats.

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Some boys also were in the same attire. They were a sort of inferior lamas or friars, and novices belonging to the temples of that sect of Fo to which the Emperor was attached. They did not seem, notwithstanding the sacred order of which they formed a part, and the garb of honour in which they were clothed, to be much respected by the surrounding multitude; nor did their own demeanour imply any consciousness of dignity, or any attention to exterior decorum, which persons of rank in China are generally solicitous to maintain.

The edifice, or suite of edifices, destined for the Embassy, was situate near the southern extremity of the town of Zhe-hol, which lay between it and the palace gates. It was erected on the gentle slope of a hill, and consisted of different courts, each upon a higher level than the preceding, and communicating by steps of granite with each other. The whole was sufficiently spacious and convenient, with a pleasant prospect of the Tartar hills, a view of the town, and of a small part of the Emperor's park. The town of Zhe-hol, excepting the houses of mandarines, consisted of miserable hovels, full of people. The streets also were crooked, unpaved, and dusty. Immediately beyond it, the Impe-

rial garden, the palaces, the temples displayed the whole much grandeur; and magnificence and wretchedness knew no medium. perfectly w transmitted

The principal buildings in this part of Tartary differed little from those of China; and the trace of this sub of pre-e were in of Cant where He was senting was da course darine, Hoppo Canton for this such a viceroy Colao, of its b to the by the ledgme of the i accord

were, at trace wh this sub of pre-e were in of Cant where He was senting was da course darine, Hoppo Canton for this

The principal buildings in this part of Tartary differed little from those of China; and the distribution of the apartments and the furniture were equally simple. The great door of each separate building opened into a hall, communicating on each side with a room of which a part was raised by a platform covered with thick cloth and cushions, for sitting in the day, and sleeping in the night. There were also varnished tables, and a few chairs for visitors. Two mandarines of rank waited upon the Ambassador soon after his arrival, with compliments from his Imperial Majesty, and another from the great Colao, or first minister, Ho-choong-taung.

The same day the Legate called upon his Excellency, and without preface or apology, delivered to him back open the memorial which had been presented to him sealed, in relation to the ceremony of reception, and which, after a communication of its purport, he had undertaken at Peking to forward to Ho-choong-taung, as mentioned in another chapter. The Legate wished now to be understood, as having kept that memorial

the whole time in his possession; tho it was perfectly well known, not only that he had actually transmitted it to Zhe-hol, but that its contents were, at first, acceptable there. It was difficult to trace what occasioned a change of sentiment on this subject; but ancient ideas of pride and claims of pre-eminence became prevalent anew. They were indeed supposed to be urged by the viceroy of Canton, lately arrived at Zhe-hol from Thibet, where he had commanded the Chinese troops. He was a declared enemy of the English, representing them as an encroaching people, whom it was dangerous to encourage. He had even recourse to the testimony of the condemned mandarine, already mentioned to have been formerly Hoppo, or chief of the revenue and customs at Canton. This convict was brought expressly for this purpose to Zhe-hol, and, no doubt, gave such a character of the English, as suited the viceroy's views and prejudiced opinions. The Colao, it seems, was persuaded into the belief of its being desirable that the homage of vassals to the Emperor of China, should be performed by the British Ambassador, without any acknowledgment on the part of the Chinese government, of the independence of his own sovereign. It was accordingly thought expedient that the transmis-

sion of his Excellency's memorial to the court was like should not be avowed, in order that there should be no necessity of sending any answer to a proposal which was too reasonable to be rejected in that Prime M and it was expected that the Ambassador, once in presence of his Imperial Majesty, could not avoid making the usual prostrations without his Maj sense, it commiss his Maj of the E this cha he found palace. potic en into a p absolute ever m tion is ance of Vizier ly the be a T ferior while gates, struck tenance of talen to dign

From these circumstances his Excellency became anxious that this business should be explained and settled, before it might be necessary for him to make his appearance at the palace. The Colao wished, indeed, to see him there without delay, and to learn from him the purport of his Majesty's letter to the Emperor. Had there, however, been no particular motive for his Excellency's declining the visit at that moment, he was too much indisposed to make it. He determined therefore, on every account, to send the Secretary of the Embassy in his room with a copy of the King's letter, and the memorial returned by the Legate. The Chinese friends of the Ambassador were so apprehensive of being inculpated as the writers of it, that they desired it to be signed by the page who copied it, to certify it to be his writing. His Excellency gave instructions to the Secretary on every point that

was likely to be agitated; but the etiquette of the Chinese court not permitting the latter to hold, in that capacity, any conversation with the Prime Minister, or even to sit down in his presence, it became necessary to make use of the commission of Minister Plenipotentiary, which his Majesty had granted to him, to act in case of the Ambassador's absence or indisposition. In this character he waited upon the Colao, whom he found in a small apartment of the Imperial palace. Great and powerful as a vizier in a despotic empire is over all the people, he shrinks into a petty personage in comparison with the absolute prince himself, of whose mansion, however magnificent and vast, a very humble portion is thought sufficient for the relative importance of the mere creature of his favour. The Vizier of China, who enjoyed almost exclusively the confidence of the Emperor, was said to be a Tartar of obscure birth, raised from an inferior station about twenty years before, when, while he was upon guard at one of the palace-gates, the Emperor passing through it, was struck merely with the comeliness of his countenance; but afterwards finding him to be a man of talents and education, he quickly elevated him to dignity; and he might be said to possess, in

fact, under the Emperor, the whole power of the empire.

So great a rise from so low an origin, may perhaps seem singular to men accustomed to the intermediate orders, and regular gradations of a mixed government; but it is not uncommon, either in countries, the monarch of which can indulge his fancy or his will without any apprehension of control; or in distracted states, where shining qualities or extraordinary exertions lead rapidly to eminence. It frequently happens in the former case, that the sovereign, having made once his choice, waves for the most part the exercise of his own authority: leading a life of indolence, or indulging in sensual gratifications; but the Emperor of China still continued in an indefatigable attention to the administration of public affairs: having rather divided with his Vizier, than conferred upon him, the whole care of his vast empire. His Imperial Majesty was not however blindly guided by his advice; and once, on conceiving that he had attempted to impose upon his master by a falsehood, he was disgraced as suddenly as he had formerly been raised; and he was reduced to his original situation for about a fortnight; when a fortunate accident having proved to the sovereign

that there was no real ground for his dissatisfaction, he restored his late servant to his wonted favour, and to a power bounded only by his own. At the audience of the Colao, he was seated on a platform covered with silk, between two Tartar and two Chinese mandarines of state. A chair was brought for the English Minister. The legate, several other mandarines, and the interpreter, were obliged to stand the whole time. The Colao went through the formality of demanding what was the object of the British Embassy to China: a demand that easily was satisfied, by referring him to his Majesty's letter to the Emperor, of which a copy was immediately presented to him in Chinese; a circumstance which, as well as the purport of the letter, seemed to be grateful to him. After a short pause, the Ambassador's memorial was laid before him, to which he affected to be a stranger. He seemed, however, to be prepared to make objections to the proposal it contained, which were answered with the obvious arguments so simple a case supplied, and in the manner prescribed by his Excellency. The discussion terminated by the Colao's desiring his reasons to be reported to the Ambassador for his consideration.

It was observable, that during this conference,

the hall in which it was held was full of people belonging to the palace, who all were allowed to listen to what passed; as if it was considered that in treating with foreigners, so remote from every respect from China, there could be nothing which it was necessary to reserve from the knowledge of any of the natives of it. Such a number of spectators contributed, perhaps, to induce the Colao to maintain in their presence an air of dignified reserve; and in his manners and conversation, he seemed willing to convey the idea that whatever civilities he shewed to the English Minister, were the condescensions of national as well as personal superiority. It was, without doubt, from sentiments of national pride, that the determination seemed to have been taken of avoiding, if possible, to return the compliments which the Ambassador was willing to pay at the Emperor's court.

The Legate, together with two other mandarins on the part of the Colao, waited upon the Excellency the next day, and urged him to give up the contested point; concerning which they were driven to the necessity of fluctuating between the opposite and contradictory efforts, representing the prostration as a mere external and unmeaning ceremony, when they proposed

to the Ambassador to perform it towards the Emperor; but of serious and momentous import, when the like was required in return from a Chinese to his Britannic Majesty. They even ventured to hint some personal inconvenience to his Excellency, in default of his unconditional compliance: which circumstance afforded him an opportunity of testifying how much his sense of duty to his sovereign, was above any sense of danger; and of declaring, that it became particularly indispensable for him to take care, either that the ceremony should be reciprocal, or that there should be something to distinguish a compliment to be paid on the part of a great and independent sovereign, from the homage of tributary princes, since an attempt had been made already to confound them, in giving the name of *tribute* to the British presents, in the inscriptions placed upon them by the Chinese. The Ambassador's knowledge of this circumstance, forced the mandarines to feel the propriety of his proposal; and to ask him how far he thought he might, consistently with his duty, but in a manner different from the prostration of tributaries, mark his personal respect to his Imperial Majesty? His Excellency observed, that to his own Sovereign, to whom he was bound by every

bond of allegiance and attachment, he bent, on cuncture approaching him, upon one knee; and that complaints was willing to demonstrate in the same manner pleasant his respectful sentiments towards his Imperial Majesty. some, a which w

With this answer the mandarines appeared, furnished extremely pleased; and said that they would return soon with the determination of the court. Whi suspense either to agree to the reciprocal ceremony as proposed by the Ambassador, or to accept of the Zhe-hol English obeisance in lieu of the Chinese prostration. the m that som

In the mean time the conversation which passed at the palace with the Colao, spread quickly from through Zhe-hol. Several persons, who were not un in the Embassy only a few solitary foreigners, rigorous entirely at the mercy of the court which the der the came to visit, were at a loss to conceive how they is supp could presume to propose conditions to it, On this hesitate to obey its pleasure. Others confidently but the predicted, that they would be sent back without enclosur being admitted to an audience. The Chinese he serv interpreter, whose zealous attachment to the Em from pa bassy rendered him anxiously solicitous about these, es began to be apprehensive lest some of his court most of trymen attendant on it should be tempted to misbe or p behave, under the notion, that in the present he sake

of puncture little attention would be paid to complaints on the part of strangers so little comfortable. There was occasion however to make some, at this moment, relative to provisions, which were instantly redressed; and supplies were furnished even in greater profusion than before. While the business of the ceremony was in suspense, several of the gentlemen of the Embassy made a short excursion in the environs of the Zhe-hol. They were not encouraged to do so by the mandarines, who always were in dread that some inconvenience might result from indiscretion or imprudence on the part of the strangers, or from the disposition to insult foreigners, which was not uncommon in the rabble any where. The rigorous maxims of the Chinese government render the mandarines responsible for whatever evil it is supposed possible for them to have prevented. On this account, precautions were taken to shut out the common people from entering within the enclosure inhabited by the Embassy, as well as the servants and inferior persons belonging to it, from passing the gates without leave. The Chinese, especially men of business, such as are most of the mandarines, have little idea of the use or pleasure of walking abroad, merely for the sake of exercise, or for seeing prospects, or

the situation of countries, unless with military and, consequently, suspicious views. Under the general instruction, however, which they had received of attending to the accommodation and wishes of the Embassy, they supplied horses and guides upon the occasion of this excursion.

The gentlemen who were of the party soon ascended heights, from whence they had an opportunity of overlooking the valley of Zhe-hu winding between the hills; which was fertile indeed, but not cultivated with the care or art displayed within the proper boundaries of China. It was watered with a stream gliding, at the dry season, gently through it, and wafting its sands many particles of gold. The adjoining hills were neither steep nor lofty. They consisted, at least near the surface, of clay and gravel. They presented no salient and retiring angles, such as are produced by powerful torrents making their way through mountains; nor did they form any regular range; but, taken collectively, resembled a confused sea, in which the broken billows lie in different directions, and are tossed by opposite gales succeeding suddenly to each other. The figure indeed of those hills and the matters of which they were composed indicated nothing like the original action of fire

ary upon them; but left sufficient traces of the operation of water covering for a long time, and had mouldering this portion of the surface of the globe. It had the appearance of having been once clothed with wood. In the upper and most exposed parts, however, nothing of that kind remained that was not stunted. Timber was scarce in all this neighbourhood. The improvidence of former generations, in not planting young trees in proportion as they cut down the old ones, was now severely felt by their posterity.

China The hills, thus bare of trees, were not sufficient to attract much moisture. The gardens of the poorest people were not suffered to depend on the chance of rain; but had each a well dug in the hill, for the purpose of irrigation. The bucket for drawing up the water, instead of being made of staves, was composed of osier twigs, wattled or platted together with so much care and ingenuity, as to be perfectly capable of holding any liquid. Those gardens abounded in garlick and other acrid and aromatic vegetables, serving as a relish to the millet and other grain on which the peasants principally subsisted. From the heights, several handsome buildings were observed in pleasant situations in the vallies. They were first thought to belong to some of the principal

families, or great officers about the court; but proved to be different convents of lamas, founded by the Emperors of the present dynasty.

On the return of the party towards home they perceived beyond the town of Zhe-ho upon an eminence, with a ridge of higher mountains within sight, such another inverted pyramid of earth, or stone, as has been already described in the last day's journey from Peking. Some of the gentlemen had an inclination to go and examine it; but the mandarines very gravely told them, that there would be an impropriety in attempting to do so; as, from the eminence on which it was situate, a view might be had of that part of the Imperial gardens consecrated to the use of the ladies of the palace, and from whence they might be observed walking through the grounds; tho at the distance of three or four miles.

The attention of the whole Embassy was now taken up in preparations to wait upon the Emperor. It had been announced to the Ambassador, that his Imperial Majesty would be satisfied with the same form of respectful obeisance from the English, which they were in the habit of paying to their own Sovereign. This determination relieved the Ambassador from a load

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of much anxiety; and removed the necessity of fixing in his own mind, where, in the present circumstances, it became him to draw the line between the obligation of resisting, and the propriety of yielding to, the wishes of the Imperial court. It was whispered, that the good sense and liberality of the Emperor himself, cloyed too perhaps with adoration, rendered him much more inclined than any of his advisers, to dispense with that ceremony in the present instance.

His Excellency was aware, that the sort of triumph he had gained, would contribute to make him still more obnoxious to the Chinese and Tartar enemies of the English; tho it must heighten very much the esteem and respect of the people at large, for the nation in whose favour so unusual an exception was about to be made; and the practical consequences of such sentiments, could scarcely fail to operate to its advantage in every connection, commercial and political, between the two countries. This relaxation of a rule, from which no deviation had before been made, excited indeed much surprise, and perhaps even murmuring, from those whose minds were guided by precedent alone; but it confirmed the opinion of the veteran missionary at Peking,

that the mere pleas of custom, however usually and strongly urged by the Chinese, would not stand always against reason, accompanied by temper and perseverance.

The birthday of the Emperor, on the occasion of which a great number of ambassadors and tributary princes was assembled at Zhe-hol, was the seventeenth of September. A day however previous to it, the fourteenth of the same month, was fixed for the particular reception of the British Embassy.

In the interval, such of the presents as had been brought to Zhe-hol, were carried to the palace; and very civil messages, implying the satisfaction they gave to his Imperial Majesty, were conveyed to the Ambassador.

His Excellency likewise paid a private visit to the Colao, who received him with frankness and affability, no longer disturbed by a pending contest, and with all the attention due to his rank and character. After several expressions of civility on both sides, and satisfactory answers to questions of curiosity concerning Europe, and particularly England, on the part of Ho-choong-taung, the Ambassador entered into conversation, in which he endeavoured to impress the Colao with a full sense of the propriety and fair-

lyness of the past conduct, and the sincerity and not uprightness of the future intentions, of his Majesty towards China. He dwelt upon the pacific and benevolent maxims of his Majesty's government, of which the great object was the extension of commerce for the general benefit of mankind. He took occasion also to mention, as an incidental matter of information, not of argument, that upon the dissolution of the Mogul empire of Hindostan, in consequence of internal dissensions, some of the maritime provinces in the neighbourhood of British settlements claimed the protection of their arms, which was granted without removing the native tributary princes, who were still in possession of their dignities; but that in other respects, the English did not interfere in the contests of the neighbouring countries. The Colao gave not the least opening to be more particular in the disavowal of any aid his against the people of Thibet.

His Excellency found it necessary to use great tenderness, and many qualified expressions, in conveying any idea that a connection between Great Britain and China could be of any importance to the latter, either by the introduction of European commodities, of which, taken in fair barter, the necessity was not felt; or by the

supply of cotton or of rice from India, which some of the Chinese provinces were equally fit to cultivate; or of bullion, of which the increase had sometimes the inconvenience of unequally increasing the prices of the useful or necessary articles of life; or, lastly, by the assistance of a naval force to destroy the pirates on the coast, against whose mischief the sure resource existed of an internal communication by rivers and canals. Such were the avowed or affected notions entertained by the Chinese government, of the superiority or independence of the empire, that no transaction with foreigners was admissible by it on the ground of reciprocal benefit, but as a grace and condescension from the former to the latter.

The Ambassador was not unwilling to negotiate even on those terms; and the Colao obligingly said, that they should have frequent opportunities of meeting during the continuance of his Excellency's visit at the Chinese court.

The conference ended as it had begun, with every appearance of cordiality and satisfaction on both sides. Messages of civility, with presents of fruit and sweet-meats, soon followed both from the Emperor and the Colao.

The manners of Ho-choong-taung were not

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less pleasing than his understanding was penetrating and acute. He seemed indeed to possess the qualities of a consummate statesman. He had been called to office and authority, no doubt, by the mere favour of the sovereign, as must be the case in most monarchies; but he was confirmed and maintained in it by the approving voice of such persons of rank and eminence as have influence in the determinations of the most absolute governments. In those governments in Asia, the prince is not afraid, as is the case in Europe, to debase his dignity by alliances with his subjects; and the number of children of Asiatic monarchs, by different wives and concubines, occasion so many matrimonial connexions with the crown, that the influence arising from them is counteracted by competition. A tie however of this sort, added to power already acquired, increases and secures it. A daughter of the Emperor is married to a son of Ho-choong-taung. This circumstance was thought sufficient to alarm some of the Imperial family, and other loyal subjects of the empire, as if they were fearful of the heights to which the ambition of that favourite might aspire. One man, indiscreetly zealous, undertook to present a memorial to his Imperial Majesty, exhorting him

to declare his successor, as a measure of safety, to prevent future dissensions in the empire.

Were the rules of descent in favour of primogeniture to be prevalent among the Chinese, a grandson of the Emperor, by his eldest son deceased, would have the fairest claim; but the maxims of that government leave the succession to it entirely at the choice of the reigning prince, who may exclude, as has been instanced, even his own offspring and family. The advice obtruded by an individual to the sovereign under these circumstances, to declare his choice, was highly offensive to him. The adviser was seized and capitally punished: the tribunal, before which he was tried, having ranked his presumption amongst the most heinous crimes. His Imperial Majesty, however, thought proper to publish in the gazettes of the capital, his reasons for declining to follow such advice. They were founded on the danger of exciting, by the nomination of a successor, a premature ambition in a young mind, and of producing a faction in opposition to the reigning sovereign; an instance of which had happened in his own dynasty.

On the present occasion, his Imperial Majesty was resolved that the successor to his crown, should, while he held it himself, remain un-

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known. But he took that opportunity of announcing to his subjects, that, having already sat upon the throne about half a century, he should retire from the cares of government if he should live to complete the sixtieth year of his reign, which would happen in the year 1796, when he would exercise the high prerogative he enjoyed of appointing the fittest person to succeed him; but that if his death should take place before that period, his appointment of a successor in writing would be found in a particular apartment of the palace. So vain are, however, sometimes the precautions taken by mortals to regulate events after their decease, that a story is privately circulated of his own father, Yong-ching, having mounted the throne, by suddenly entering the palace in the last moments of his predecessor, and substituting his own name in a testament intended for the exaltation of another.

On the day of the Ambassador's presentation to the Emperor, most of his family attended. No marked preference was perceptible, or extraordinary respect shewn, to any one of them above the rest. On that morning the Ambassador and gentlemen of the Embassy went before daylight, as was announced to be proper, to the garden of the palace of Zhe-hol. In the middle of the gar-

den was a spacious and magnificent tent, supported by gilded or painted and varnished pillars. The canvas of which it was composed, did not follow the obliquity of the cords along their whole length to the pegs fastened in the ground; but about midway was suffered to hang perpendicularly down, while the upper part of the canvas constituted the roof. Towards one extremity of the tent was placed a throne, such as has been described in a former chapter, with windows in the sides of the tent, to throw light particularly upon that part of it. Opposite to the throne was a wide opening, from whence a yellow fly tent projected to a considerable distance. The furniture of the tent was elegant, without glitter or affected embellishments. Several small round tents were pitched in front, and one of an oblong form immediately behind. The latter was intended for the Emperor, in case he should choose to retire to it from his throne. It had a sofa, or bed, at one extremity. The remainder was adorned with a variety of musquets and sabres, European and Asiatic. Of the small tents in front, one was for the use of the Embassy while it was in waiting for the arrival of the Emperor. Some of the others were destined, in the same manner, for the several tributary princes of Tartary, and de-

legates from other tributary states, who were assembled at Zhe-hol on the occasion of the Emperor's birthday; and who attended, on this day, to grace the reception of the English Ambassador. Some tents also were intended for the male branches of the Emperor's family, and the principal officers of state. In the great tent, his Imperial Majesty was to receive, seated on his throne as a particular distinction, the delegate from the King of Great Britain.

It was not merely for the convenience of a great space to contain the concourse of persons meeting on this occasion, that a tent was preferred to a large apartment in the palace. The Tartar dynasty, in conforming, in most instances, to the customs of a much more numerous and more civilized, tho vanquished nation, retained still a predilection for its own ancient manners, in which occasionally, and upon Tartar ground, it took a pleasure in indulging. The moveable dwelling of a tent was, more than a permanent palace of stone and timber, the favourite residence of a Tartar sovereign.

The tributary princes, those of the Imperial family, and the great mandarines of the court, formed together no inconsiderable group while they were in waiting in front of the great tent.

Each was decorated with distinctive marks of number the rank bestowed upon him by the Emperor. whom

Several of the courtiers were partly dressed in Imperial far English cloth, instead of silk or furs, in which happy. only it had hitherto been allowed to appear before. Those his Imperial Majesty. As there had not been strict, a lately any particular scarcity of those materials and was the regulation which permits the use of English cloth in cloths at court, was understood to be intended as a compliment to the British Embassy; and most in was so represented to the Ambassador. The consequence Majesty assumption of that article is likely to increase considerably, by the example of wearing it, which Some r will be set in future by the higher orders of mandarines; and is an advantage granted through respect for this civility, which could not be demanded in a commercial treaty. hour of which l

The princes were distinguished by the transparent red button, which marks the highest rank, by the nine orders, as they were fixed in the present century by the Emperor Yong-ching. None of the persons assembled on this occasion, wore a mark inferior to the opaque red button, which denotes the second order in the state. Some were honoured with peacocks' feathers stuck in an agate tube, and pendent from the bonnet. In this dignity there are three degrees, according to the of the

ks number of feathers granted to the wearer. He to
r. whom three feathers had been presented by Im-
perial favour, thought himself thrice great and
his happy.

efore Those personages had each, in his own dis-
be strict, a circle of courtiers dependent on him,
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glis own importance; but all were, in this place,
ed confounded in the crowd, and their grandeur
nd lost in the contemplation of that of his Imperial
 Majesty. It was the etiquette of respect towards
 him, to be in waiting for him a considerable time.
which Some remained part of the night in the garden
man for this purpose. The Emperor was indeed ex-
rough pected not long after the dawn of day. This
com hour of meeting, so different from that of nations
which had passed through the various stages of
trans civilization, to the period of indolence and lux-
est ury, brought back to recollection the usual hunt-
representing occupation of this people, whose daily chase
one began as soon as the rising sun enabled them
vore to perceive and pursue their prey.

which Before the Emperor's arrival, the Embassa-
e were or's small tent was filled with a succession of
n again persons, whom curiosity excited, or civility in-
is dis cussed, to visit him. Among them were a brother
to the of the Emperor, a plain unaffected man, some-

what above the middle size, and past the middle age; two of the Emperor's sons, and as many grandsons; the former well-looking men, courteous and inquisitive: the latter young, tall, and remarkably handsome. Among the tributaries was one who lived in the neighbourhood of the Caspian sea, and spoke the Arabic language. Knowing, probably, somewhat more of Europe than the rest, he seemed to take a greater interest in what related to the Embassy; but its avowed and particular friend, was the respectable Viceroy of Pe-che-lee; who testified such pleasure in renewing his acquaintance with the Ambassador and spoke of him in terms of so much esteem to the surrounding circle, that the persons who composed it, became strongly prepossessed in his Excellency's favour. The whole Embassy seemed to feel more confidence in this Viceroy's presence.

Soon after daylight the sound of several instruments, and the confused voices of men at distance announced the Emperor's approach. He soon appeared from behind a high and perpendicular mountain, skirted with trees, as if from a sacred grove, preceded by a number of persons busied in proclaiming aloud his virtues and his power. He was seated in a sort of open chair, or triumphal car, borne by sixteen men

and was accompanied and followed by guards, officers of the household, high flag and umbrella bearers, and music. He was clad in plain dark silk, with a velvet bonnet, in form not much different from the bonnet of Scotch Highlanders; on the front of it was placed a large pearl, which was the only jewel or ornament he appeared to have about him.

On his entrance into the tent he mounted immediately the throne by the front steps, consecrated to his use alone. Ho-choong-taung, and two of the principal persons of his household, were close to him, and always spoke to him upon their knees. The princes of his family, the tributaries and great officers of state being already arranged in their respective places in the tent, the president of the tribunal of rites conducted the Ambassador, who was attended by his page and Chinese interpreter, and accompanied by the Minister Plenipotentiary, near to the foot of the throne, on the left hand side, which according to the usages of China, so often the reverse of those of Europe, is accounted the place of honour. The other gentlemen of the Embassy, together with a great number of mandarines and officers of inferior dignity, stood at the great opening of the tent, from whence most of the

ceremonies that passed within it, could be observed.

His Excellency was habited in a richly embroidered suit of velvet, adorned with a diamond badge and star, of the Order of the Bath. Over the suit he wore a long mantle of the same order, sufficiently ample to cover the limbs of the wearer. An attention to Chinese ideas and manners, rendered the choice in dress of some importance; and accounts for this mention of it. The particular regard, in every instance, paid by that nation to exterior appearances, affects even the system of their apparel, which is calculated to inspire gravity and reserve. For this purpose, they use forms the most distant from those which discover the naked figure. Indeed, among the most savage people, few or none are found to whom an interior sentiment, unconnected with any caution against inclemency of weather, does not suggest the propriety of covering some portion of the human frame. This sentiment, to which is given the name of decency, as pointing out what is becoming to do, increases generally with the progress of civilization and refinement: and is carried nowhere perhaps so far as among the Chinese, who hide, for the most part in their loose and flow-

ing robes, the bulk and form of their limbs. In this respect, there is scarcely any difference between the dresses of the two sexes. Even the imitation, by art, of the human figure, either naked, or covered only with such vestments as follow and display the contour of the body, is offensive to Chinese delicacy: a delicacy which has retarded the progress of painting and sculpture, as far at least as relates to such subjects, in that country. It has also led to the obligation imposed upon the missionaries to adopt the dress of the natives, as being more chaste and decent than the close and short clothes of modern Europe.

The broad mantle, which as a Knight of the Order of the Bath, the Ambassador was entitled to wear, was somewhat upon the plan of dress most pleasing to the Chinese. Upon the same principles, the Minister Plenipotentiary, being an Honorary Doctor of Laws of the University of Oxford, wore the scarlet gown of that degree, which happened also to be suitable in a government where degrees in learning lead to every kind of political situation. The Ambassador, instructed by the president of the tribunal of rites, held the large and magnificent square box

of gold, adorned with jewels, in which was inclosed his Majesty's letter to the Emperor, between both hands lifted above his head; and in that manner ascending the few steps that led to the throne, and bending on one knee, presented the box, with a short address to his Imperial Majesty; who, graciously receiving the same with his own hands, placed it by his side, and expressed "the satisfaction he felt at the testimony which his Britannic Majesty gave to him of his esteem and good will, in sending him an Embassy, with a letter and rare presents; that he, on his part, entertained sentiments of the same kind towards the Sovereign of Great Britain, and hoped that harmony should always be maintained among their respective subjects."

This mode of reception of the representative of the King of Great Britain, was considered by the Chinese court, as particularly honourable and distinguished: ambassadors being seldom received by the Emperor on his throne, or the credentials delivered by them into his own hands, but into that of some of his courtiers. These distinctions, so little material in themselves, were however understood by this refined

people as significant of a change in the opinions of their government in respect to the English; and made a favourable impression upon their minds.

His Imperial Majesty, after a little more conversation with the Ambassador, gave, as the first present from him to his Majesty, a gem, or precious stone, as it was called by the Chinese; being accounted by them of high value. It was upwards of a foot in length, and curiously carved into a form intended to resemble a sceptre, such as is always placed upon the Imperial throne, and is considered as emblematic of prosperity and peace.

The Chinese etiquette requiring that Ambassadors should, besides the presents brought in the name of the sovereign, offer others on their own part, his Excellency, and the Minister, or as the Chinese called him, the inferior Ambassador, respectfully presented theirs; which his Imperial Majesty condescended to receive, and gave in return others to them. Those presents were probably, on both sides, less valuable in the estimation of the receivers than in that of the donors; but were mutually acceptable, upon the consideration of being tokens of respect on

the one part, and of favour and good will upon the other.

During the ceremonies, his Imperial Majesty appeared perfectly unreserved, cheerful, and unaffected. Far from being of a dark and gloomy aspect, as he has been sometimes represented, his eyes were full and clear, and his countenance open. Such, at least, it appeared during the whole time of the interview with the Ambassador, which was lengthened by the necessity of interpreting whatever was said by either party; which rendered the communication extremely tedious.

His Imperial Majesty, adverting to the inconvenience arising from such a circumstance, inquired from Ho-choong-taung, whether any person of the Embassy understood the Chinese language; and being informed that the Ambassador's page, a boy then in his thirteenth year, had alone made some proficiency in it, the Emperor had the curiosity to have the youth brought up to the throne, and desired him to speak Chinese. Either what he said, or his modest countenance, or manner, was so pleasing to his Imperial Majesty, that he took from his girdle a purse, hanging from it for holding areca nuts, and presented it to him.

Purses are the ribands of the Chinese monarch, which he distributes as rewards of merit among his subjects; but his own purse was deemed a mark of personal favour, according to the ideas of Eastern nations, among whom any thing worn by the person of the sovereign, is prized beyond all other gifts. It procured for the young favourite the notice and caresses of many of the mandarines, while others perhaps envied his good fortune. This Imperial purse is not at all magnificent, being of yellow silk, with blue embroidery, and some Tartar characters worked into it.

After these ceremonies were over, some Hindoo ambassadors from Pegu, and Mahometans from the neighbourhood of the Caspian sea, were introduced to the Emperor on the right hand side of the throne. They repeated nine times the most devout prostrations, and were quickly dismissed. The English Ambassador, and the three persons who accompanied him, were then conducted to cushions, on which they sat to the left of his Imperial Majesty. The princes of the Imperial family, the chief Tartar tributaries, and highest mandarines of the court, were seated according to their ranks, nearer to, or farther from, the throne. His Excellency was placed

about midway between it and the opposite extremity of the tent. A table was laid for every two guests. As soon as all were seated, the tables were uncovered, and exhibited a sumptuous banquet. The tables were small; but on each was a pyramid of dishes or bowls piled upon each other, containing viands and fruits in vast variety. A table was placed likewise for his Imperial Majesty before the throne; and he seemed to partake heartily of the fare that was set before him. Tea was also served. The dishes and cups were carried to him with hands uplifted over the head, in the same manner as the gold box had been borne by the Ambassador.

An attentive consideration of those ceremonies, which have thus the appearance of being meant only to mark the prodigious distance between the sovereign and his subjects in a monarchy altogether absolute, has sometimes led to a conjecture, that they were not originally devised, nor have since continued to be exacted, for the sole purpose of gratification. It is obvious, that during the performance of them, they effect a physical, as well as imply a moral, inequality between the party requiring, and him who pays, such homage. The former, tho superior to all in open force, may yet be conscious of being liable

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to private treachery; and the suspicious mind, which frequently accompanies unbounded power, may have suggested such precautions against the latent and desperate designs of individuals admitted to approach the person who possesses it. The prostrations, the kneeling, both hands engaged and uplifted above the head, certainly render attacks less practicable from people in those postures.

A circumstance not less remarkable than those ceremonies, was the solemnity and silence, approaching to religious awe, with which the whole business was conducted. No conversation was held among the guests, no bustle was perceptible among the attendants. The commanding feature of the scene, was the calm dignity and sober pomp of Asiatic grandeur, which European refinements have not yet attained.

Throughout the day the Emperor's attention to his European guests did not abate. During the repast, he sent them several dishes from his own table; and, when it was over, he sent for them: and presented with his own hands to them, a goblet of warm Chinese wine, not unlike Madeira of an inferior quality. He asked the Ambassador the age of his own Sovereign; of which being informed, he immediately re-

plied, that he heartily wished him to equal himself in years, which had already amounted to eighty-three, and with as perfect health. He was indeed yet so hale and vigorous, that he scarcely appeared to have existed as many years, fifty-seven, as, in fact, he had governed the empire. When the festival was entirely over, and he descended from his throne, he marched firm and erect, and without the least symptom of infirmity, to the open chair that was waiting for him.

Soon after the Ambassador's return home, he received from the Emperor presents of silks, porcelain, and tea for himself, and all the gentlemen of his suite. The silks were generally of a close and firm texture, and of a grave colour, such as were worn by men. Some were woven into patterns of dresses, with the four-clawed dragon, or Imperial tiger; and some with the Chinese pheasant, embroidered in silk of tints more lively than the ground: the former intended for military, and the latter for civil, mandarines of rank. The porcelain consisted of detached pieces, slightly differing in form from those which are generally exported. The tea was made up into balls of different sizes, by means of a glutinous liquid, which united the leaves together without altering their qualities;

the tea thus preserving its original flavour. It is brought from the southern province of Yunnan, and is not usually imported into England. This species of tea is highly prized in China; but habit has so much power over taste, that the English preferred that to which they had been accustomed.

Among the presents of fruits which were occasionally sent to the Ambassador, were some white grapes of an uncommon form, being more oblong than olives, and about the size of the olives of Spain.

Almost every intercourse in China between superiors and inferiors, is accompanied or followed by reciprocal presents; but those made by the former are granted as *donations*, while those on the part of the latter, are accepted as *offerings*. Chinese terms, correspondent to these, are still applied to the presents passing between the Emperor and foreign princes, according to the official style of arrogated superiority affected on these occasions by the Chinese court; such as the tone that was formerly assumed by the chancery of the German empire towards the other European powers. But when the Emperor of China has occasion to make mention of himself, especially if contradistinguished from any of his

ancestors, or predecessors on the throne, he used the most modest, and indeed humble, expressions, in every thing that relates to his own person, according to the system of Chinese manners; which, in the excess of precaution against egotism, require, in the mention of one's self, that the most abject terms should be employed, and the most exalted towards those who are addressed.

The next object of civility immediately from the Emperor, was an invitation to his Excellency and his suite to see the gardens or pleasure grounds of Zhe-hol. In proceeding towards them at the early hour in the morning, at which all transactions are begun at this punctual court, they met his Imperial Majesty, who stopped to receive the Ambassador's salutations, and to tell him that "he was going to his devotions in the temple of Poo-ta-la; that as the English did not adore the same gods, he would not desire his Excellency to accompany him; but that he had ordered his ministers to attend him through his gardens."

The Ambassador, who thought that the appointment of any courtier of rank, unoccupied with the affairs of state, to accompany him on the proposed excursion, would have been a sub-

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ficient testimony of the Emperor's attention, was surprised to find Ho-choong-taung himself waiting in a pavilion for him. The great Vizier of the empire, he, whom the people almost considered as a second Emperor, was now ordered to give up some portion of his time from the calls and cares of government, to keep a stranger company in a mere tour of pleasure and curiosity.

The satisfaction which his Excellency derived from a circumstance that might contribute to an intimacy favourable to the general object of his mission, was damped by the presence of the Thibet general, who accompanied the Colao, as if fearful of the Ambassador's gaining any ground with him, or that any explanation relative to the Thibet war might take place between them. The general's brother, who had a considerable share in the administration, was also present, together with another chieftain of high quality.

These personages took the trouble of conducting his Excellency and his suite through the pleasure grounds of a vast inclosure, forming, however, only a part of those great gardens, the remainder being reserved for the use of the female part of the Imperial family, where those

ministers had admission as little as the English. They rode through a verdant valley, in which several trees, particularly willows of an uncommonly large girth, were interspersed, and between which the grass was suffered to attain its most luxuriant height, with little interruption from cattle or the mower. Arriving at the shores of an extensive lake of an irregular form, they sailed upon it till the yachts, in which they had embarked, were interrupted by a bridge thrown over the lake in the narrowest part; and beyond which it seemed to lose itself in distance and obscurity. The surface of the water was partly covered with the *lien-wha*, or species of the lily mentioned in the fourth chapter of the second volume, to be growing in Pekin; and which, tho in a more northern situation, and at a cooler season of the year, still adorned the lake with its spreading leaves and fragrant flowers.

The party stopped at a number of small palaces, near the water's edge, there being no one very considerable edifice. There were other buildings erected on the pinnacles of the highest hills, and some buried in the dark recesses of the deepest vallies. They differed in construction and ornament from each other, almost every one having something, in the plan of it, ana-

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logous to the situation and surrounding objects; but within each, was generally a public hall, having in the midst a throne and a few side rooms: the whole furnished with works of art from Europe, and rare or curious productions of nature found in Tartary. Among the latter was an agate of extraordinary size and beauty, supported on a marble pedestal, and standing in one of the pavilions upon the lake. This agate is four feet in length, carved into a landscape, and bears a copy of verses cut into it, which were written by the Emperor. The best works of art by natives of the country were carvings in wood descriptive of natural objects grouped together with taste, and executed with truth and delicacy. Some of the walls were covered with paintings, representing the pleasures of the chase in Tartary. In these the Emperor is always seen at full gallop, shooting wild beasts with arrows. These paintings cannot stand the test of European criticism. The trees, the birds, some part of the landscape, and even the animals, were drawn with accuracy; but they failed in the human figure, with which the spectator being better acquainted, can more easily perceive where the imitation of it is defective. The proportions, the perspective were not preserved;

and the Chinese, tho they succeed in a correct and sometimes lively delineation of individual objects, cannot properly be said, in the present state of their arts, to be equal to the design and composition of a picture. One European portrait of a woman, of indifferent workmanship, was seen hanging in one of the rooms. A well executed statue in marble, of a naked boy resting upon his knees and hands, was discovered in a bed-chamber; and the figures in stone of a few animals stood in a flower garden; beside monstrous and disgusting lions and tigers, in porcelain, before several of the buildings. The decorations which most abounded, and seemed to be most admired by the conductors of the party, were those artificial figures of men and animals, imported from Europe, which, by means of internal springs and wheels, produced movements, apparently spontaneous. When these machines appeared first in China, they were considered as almost supernatural, and fetched enormous prices.

In continuing their ride, the party found that the grounds included the utmost inequality of surface; some bearing the hardy oaks of northern hills, and others the tender plants of southern vallies. Where a wide plain happened to occur

massy rocks were heaped together to diversify the scene; and the whole seemed calculated to exhibit the pleasing variety and striking contrast of the ruggedness of wild, and the softness of cultivated, nature.

The gardens were enlivened by the movements, as well as sounds, of different kinds of herbivorous animals, both quadrupeds and birds; but no menagerie of wild beasts was perceived. Some monstrous varieties of gold and silver fishes were seen playing in ponds of pellucid water, upon a bottom studded with pebbles of agate, jasper, and other precious stones.

Throughout these grounds, they met no gravel walks; no trees planted in belts, nor collected in clumps. Every thing seemed to be avoided which betrayed a regularity of design. Nothing was observed to be directed, unless for very short distances, by straight lines, or to turn at right angles. Natural objects seemed scattered round by accident, in such a manner as to render their position pleasing; while many of the works of human labour, tho answering every purpose of convenience, were made to appear the produce of rustic hands, without the assistance of a tool.

Some of the elegancies and beauties which are

described as taking place in Chinese gardens, were not perceived by the present visitors; but the gardens of Yuen-min-yuen near Pekin, from whence those descriptions are chiefly taken, are supposed to be more complete than those of Zhe-hol; and it were presumptuous to assert, that what is omitted in the one, has been falsely attributed to the other.

These strangers had no chance of seeing any part, if such there be at Zhe-hol, of the town in miniature, which is supposed to be inclosed within the boundaries of the garden destined for the ladies of the palace; where the scenes of common life, and the transactions and confusion of the capital, are faithfully represented, according to the accounts of a missionary, who, in quality of an artist, is said to have been employed in the decoration of such a place, in the female part of the gardens at Yuen-min-yuen. That account, however it has been doubted, is not improbable. The ladies of the palace, shut out from the world, would, no doubt, be delighted by such a representation of what passes in it; and the Emperor could feel no reluctance in gratifying their curiosity, and, in some instances, his own. The Ambassador, in a former mission to Russia, saw, at one of the Imperial palaces of Petersburg, the

image of a town with a number of workshops and warehouses, pretended tradesmen, and the usual business of life, represented in a very lively manner for the amusement of the court; tho it promised less entertainment there, where none of the ladies were debarred, like those of China, from the sight of what was really passing in the world.

During the excursion through the gardens of Zhe-hol, which lasted several hours, Ho-choong-taung paid great attention to the Ambassador, and indeed displayed all the good breeding and politeness of an experienced courtier. The deportment likewise of the other minister was affable and obliging; not so, that of his brother, the Thibet commander, which was formal and repulsive. The violent prepossession he had imbibed against the English, was not attempted to be concealed by him. He had had, no doubt, occasion, whilst at Canton, to observe their bold and adventurous spirit; and the idea of their wealth and power, capable of vying even with the Chinese empire, was not, perhaps, what had given him the least offence. It was in vain that the Ambassador endeavoured to conciliate his good humour, by introducing the subject of his reputation as a warrior. It was

natural to expect that he would be flattered by a proposal to him, as a judge of military exercises, to see a specimen of European evolutions performed by his Excellency's guard; but he replied in a sullen tone, that he had already seen those of foreign troops; as if he did not expect that the English would have any thing particular to display in that respect. He was not, indeed, willing to allow them merit in any other. While the gentlemen of the Embassy were going through the several buildings in the gardens of Zhe-ho, they were glad of any opportunity of expressing, through civility to their conductors, their approbation of what they saw, wherever they found room for praise; and they were certainly not backward in concurring in the general admiration of the pieces of mechanism already mentioned, and which formed a part of that curious and magnificent collection, called Cox's Museum, which had been made, and was formerly shewn in London; but the General, inferring from their applause, that the sight was novel to them, exultingly demanded, whether such performances were to be found in England; and was not a little mortified to learn, that it was from thence they came to China.

In the course of conversation between Ho

by a choong-taung and the Ambassador, the former mentioned that he had received accounts of the arrival at Chu-san of the Lion and Hindostan. His Excellency took that opportunity of requesting, that Captain Mackintosh, having had the happiness of paying his obeisance to the Emperor, might now be allowed to join his ship; but the General, who kept closely to the Colao, directly interfered, exclaiming, that it was not proper that the stranger should be allowed to traverse the Chinese empire. The Ambassador found it necessary to wave the subject for the present; but pressed the Colao to allow him soon the means of a short conversation in regard to it. The extreme hurry and multiplicity of business at this particular juncture, might have served Ho-choong-taung as an apology for declining a meeting for the present; but he was still more effectually prevented by illness. The fatigue of this day's exercise, brought on him some complaints to which he had long been subject. He sent, in consequence, to the Ambassador, a request to send to him his English physician, whom he wished to consult upon his case. Doctor Gillan accompanied the messenger to the Colao's house, where he found assembled some of the principal persons of the faculty then at court, and who were attend-

ing, with no little anxiety, upon their illustrious patient. "He was attacked," as Doctor Gilan mentioned, "with violent pains, which affected some of the larger joints of his arms and legs. He felt also excruciating pain about the lower part of the abdomen; and a large swelling appeared, beginning at the ring of the external oblique muscle on the right side, and extending along the descending chord. He had often suffered under all these ailments, but seldom at the same time. The articular and also lumbar and dorsal affections, generally recurred in spring and autumn; but the abdominal pain and swelling had been more frequent in their recurrence, and were shorter in their duration. The swelling appeared and disappeared sometimes on a sudden, but was the greatest and most painful after making any particular exertion. These circumstances the Doctor learned from the Colao himself; who, however, was surprised at such a number of questions, which the other physicians had not thought it necessary to put to him. They drew their indications chiefly from the state of the pulse, in the knowledge of which they boasted the highest skill. According to their ideas, every part of the body has a pulse peculiar to

itself, which indicates what part of the system suffers. They considered the pulse as a general interpreter of animal life, which pointed out every condition of the body; and that, by its means alone, the nature as well as seat and cause of disease, could be ascertained without the necessity of any other information relative to the patient. After a full examination of the Colao's pulses, they had early decided, that the whole of his complaints were owing to a malignant vapour or spirit which had infused itself into, or was generated in, his flesh, which shifted from place to place, always exciting pain in the part in which it fixed itself. In consequence of this opinion of the nature and cause of the disease, the method of cure was to expel the vapour or spirit immediately; and this was to be effected by opening passages for its escape, directly through the parts affected. The operation had been frequently performed, and many deep punctures made with gold and silver needles (which two metals only are admissible for the purpose), with exquisite pain to the patient. Still, however, the disease continued its usual course; but this, from the authority and information of his pulses, was entirely owing to the obstinacy of the vapour, which either remained

" in part in the body, in spite of every effort to dis-
 " lodge it, or was generated in fresh quantities in
 " other parts, after having been expelled from the
 " seat it had at first occupied. In their treatment
 " of this disorder, the physicians had exhausted
 " all their skill to no purpose. The original com-
 " plaints still continued to recur; and were now
 " more violent than at any former period. The
 " faculty had proposed the same method of
 " treatment for the pain and swelling of the
 " lower part of the abdomen, which they con-
 " sidered in the same light as the affections of
 " the joints, and as a part of the same disease.
 " But this, the Colao, apprehensive of injury to
 " some essential part, could not be persuaded to
 " submit to; and very fortunate it was for him
 " that he continued obstinate on that head.
 " It was under these circumstances, that the
 " Colao was desirous to have the sentiments of
 " an English physician on his case. After the
 " first ceremonies upon the arrival of Doctor
 " Gillan were ended, and the tea, fruit, and
 " sweetmeats were taken away, the patient
 " presented to him, first his right arm, and
 " afterwards his left, each resting upon a pil-
 " low, that their pulses might the more accu-
 " rately be examined. The Doctor, in com-

pliance with the custom and prejudices of the country, and that he might not shock the patient or the physicians by less attention than they thought requisite to that preliminary circumstance, felt the pulses of both arms with much gravity, and for a long continuance. He told them at the same time, that the European physicians seldom thought it necessary to feel the pulse in several different parts of the body, because they knew that all the pulses corresponded together, and communicated with the heart, and with each other, by means of the circulation of the blood; so that by knowing the state of one artery or pulse, the state of all the rest was likewise ascertained. The Colao heard this doctrine with astonishment; and the physicians were equally amazed at what was so novel to them. They were much disconcerted, as well as embarrassed, in their observations on what they heard. The Colao, at the Doctor's request, and to satisfy himself on this subject, applied the fore-finger of his right hand to the left temporal artery, and the same finger of his left hand to the right ankle, and found, to his great surprise, that the beats of his pulse were every where simultaneous. He expressed his satisfaction at the

“ proof which so simple and easy an experiment had
 “ had afforded, of what had been asserted. The
 “ Doctor told him, that beside the pulse, it was
 “ necessary to gain information as to the internal
 “ sensations, and external circumstances of a patient,
 “ tient, in order to form a well founded judgment
 “ ment of his disease. This consideration induced
 “ duced the Colao to answer all the Doctor’s
 “ questions; and upon a full investigation, he
 “ appeared to labour under two distinct complaints.
 “ One was rheumatism, which first attacked him
 “ tacked him in the mountains of Tartary, where
 “ he had been long exposed to cold and rain, and
 “ weather; and recurred at different periods
 “ afterwards. The second was discovered, upon
 “ examination of the parts, to be a completely
 “ formed hernia. Had he been punctured at
 “ his physicians had proposed, the worst consequences
 “ quences would, in all probability, have soon
 “ followed.

“ The Colao desired the Doctor’s explanation
 “ of the nature of his ailments, together with the
 “ methods of relief and cure which he proposed
 “ to be put down in writing. He made him
 “ present of a piece of silk; and was pleased
 “ say, that his ideas appeared clear and rational,
 “ tho they were so new and distant from their deliv-

notions prevalent in Asia, that they seemed as if they came from the inhabitant of another planet."

Tho the Colao was quickly relieved from the most pressing of his complaints, no interview could be had with him for some time by the Embassador. The latter determined therefore to write to him, to renew his solicitations for the speedy departure of Captain Mackintosh to join his ship at Chu-san; and also to request, that the private adventures, brought out by the ship's officers, should be permitted to be disposed of here, and a cargo purchased out of the produce of the adjoining provinces. No friendly missionary happened to be at Zhe-hol, who might procure a proper translation of this letter, as at Peking; but the interpreter found a person capable of turning, into proper Chinese expressions, the meaning of the letter, as verbally explained to him; and the translation was copied, as usual, and attested by the page. It was not to be expected that any further difficulty would remain with regard to it; yet some occurred in its transmission. The Legate, who had still the principal care of the Embassy, might have taken it, if offered, and would probably promise to forward it, as he had the papers hitherto con-

fided to him; but would certainly have spared the Colao the trouble of reading it. His disposition towards the English was not softened by the disgrace which lately had befallen him, and which, according to the report spread among the Embassy, it was innocently the cause. The Emperor happening to hear that the Ambassador had his Imperial Majesty's portrait in the great cabinet of the Lion, and flattered by the compliments desired the Legate to give an account of it, that he might judge if it bore any resemblance to his person; but finding by his evasive answers that he had not seen it, not having been on board, as he had been ordered, he was instantly degraded for his disobedience; such a power being possessed and frequently exercised by the crown in China with regard to all degrees of dignity. The Legate was reduced to wear an opaque white, instead of a transparent blue, button; and a crown instead of a peacock's tail feather pendent from his cap. Protected still, however, by Ho-choong-taung, he retained his authority and office. None of the Chinese servants could be found with courage sufficient to carry a letter without his leave. No European could make his way alone to the Colao's house, or penetrate into his presence. But the Chinese interpreter, the

addressed in an English uniform, undertook the errand. He was indeed obstructed, and even insulted, by the rabble on the road; but arrived at the Colao's house, and put the letter into a proper channel for its delivery without delay.

In the mean time the celebration of the Emperor's anniversary, the seventeenth of September, had taken place. To this ceremony, as to the former, the Ambassador and his suite were called before the rising of the sun. The festival may be considered as having lasted several days. The first was consecrated to the purpose of rendering a solemn, sacred, and devout homage to the supreme majesty of the Emperor. The ceremony was no longer performed in a tent; nor did it partake of the nature of a banquet. The princes, tributaries, ambassadors, great officers of state, and principal mandarines, were assembled in a vast hall; and upon particular notice, were introduced into an inner building, bearing, at least, the semblance of a temple. It was chiefly furnished with great instruments of music, among which were sets of cylindrical bells, suspended in a line from ornamented frames of wood, and gradually diminishing in size from one extremity to the other, and also triangular pieces of metal arranged in the same order as the bells. To the

sound of these instruments, a slow and solemn hymn was sung by eunuchs, who had such command over their voices, as to resemble the effect of the musical glasses at a distance. The performers were directed, in gliding from one tone to another, by the striking of a shrill and sonorous cymbal; and the judges of music among the gentlemen of the Embassy were much pleased with their execution. The whole had indeed a grand effect. During the performance, and at particular signals, nine times repeated, all the persons present prostrated themselves nine times except the Ambassador and his suite, who made a profound obeisance. But he whom it was meant to honour, continued, as if it were in imitation of the Deity, invisible the whole time.

The awful impression intended to be made upon the minds of men, by this apparent worship of a fellow mortal, was not judged proper to be effaced by any immediate scenes of sport or gaiety, which were postponed to the following day. It was not deemed, however, inconsistent to visit in the mean time some of the temples in the neighbourhood, which had been erected by the Emperor. Sun-ta-zhin, one of the courtiers who had been of the party through the garden, politely offered to accompany the Ambassador. This Tartar

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chief was lately promoted to the rank of Colao, or to that first class of mandarines, of whom there are scarcely above half a dozen in the empire. He had, some time since, been employed in the frontiers of Russia, to accommodate disputes that had arisen with that nation. He said, that he had negotiated at Hiachta with a Russian general, who wore a red riband and star like those of the Ambassador; and with this general he soon terminated all differences. Hearing that his Excellency had formerly been upon a mission to that country from his Majesty, he was very particular in his inquiries concerning the riches, power, and political projects of that court. In his turn, he answered several questions of curiosity in regard to China. The conversation became interesting, and, in some degree, confidential. He was intelligent and attentive; and the sort of intimacy which commenced at this time between him and the Ambassador, became afterwards of much use.

In the course of their ride together on the present occasion, they visited several temples. Some stood on gentle elevations, some on the plain, and others on the summit of high hills, approachable only by rocky stairs of difficult ascent. Of those temples, one contained not

fewer than five hundred gilt statues, somewhat bigger than the life, of deceased lamas renowned for sanctity; some were represented in the attitudes of constraint and inconvenience, in which from an impulse of extraordinary devotion, and a secret desire of being admired for it, they preserved the vow they had made to continue whilst they lived. But the most considerable foundation was the Poo-ta-la, or grand temple of Fo, consisting of one great, and several smaller, edifices. The principal was a grand cathedral of a square form, each side of which is about two hundred feet. It differs from every other Chinese building; the outside very much resembling the front of an European edifice. It was of great height, containing eleven rows of windows, implying as many stories, or ranges of apartments, one above another. The front was handsome and well finished, but plain and unadorned in form. The square, or principal building of Poo-ta-la, includes a quadrangle, in the centre of which is the golden chapel, so termed from the materials in which it, apparently at least, was bounded. A spacious corridor below, and open galleries above, connected the apartments of the quadrangle. In the middle of the chapel there was a space railed off, and elevated above the

floor, presenting three altars richly adorned, and three colossal statues of Fo, his wife, and child. Behind these altars, in a dark recess, was the sacred tabernacle, dimly lighted by a solitary lamp, as if meant to inspire religious horror. As the strangers approached, the curtain, part of which had been drawn aside, was closed, to shut out the shrine from the curiosity of the profane. They immediately ascended to the top of the chapel, to see the roof and broad projection covered with plates; which, as well as the statues on the altars below, were said to be of solid gold. No expence seemed, indeed, to have been spared in the construction and decoration of this temple by the Emperor, who, in other respects, was not considered as profuse. There were not fewer than eight hundred lamas attached to Poo-ta-la. The visitors found many of them sitting cross-legged in rows upon the chapel floor, singing in low key from papers, on which were a few columns of neat writing in the Tartar language. Some were consecrated to the temple from their childhood. All were employed in the performance of the exterior ceremonies of religion, and contributed, no doubt, to its magnificence; but few of them were described as having, either by the strictness of their conduct, or the superiority

of their education, acquired that influence over the multitude, which might be made subservient to the maintenance of the peace and good order of society: thus fulfilling the civil or temporal purposes of religious institutions. It were indeed not difficult to account for the costly devotion of the Emperor towards Fo, on the supposition, which was credited by some about him, that, from a contemplation of the great length and unparalleled prosperity of his reign, he had gradually brought himself to imagine, that his favourite deity had vouchsafed to become incarnate in his person. Enthusiasm, it is true, is often known to accompany the most shining talents. Whatever may be the ground for attributing to this great prince so whimsical a fancy, he has certainly displayed much vigour and capacity of mind, as well as personal activity, and unremitting attention in the administration of his government: by which means he has not only kept together the several parts of a vast empire, but has reduced, besides, to his subjection, a country extending forty degrees in longitude to the west, and nearly equal in size, tho' not in value or population, to what he had inherited.

It is with him no less a measure of policy than it is of gratification, to assemble his great

vassals, the governors of his provinces, and commanders of his armies, occasionally at his court, to receive the renewal of their allegiance, and to display before them all the pomp of greatness, to which their own presence, as well as that of embassies from foreign princes, considerably contribute; to distribute new dignities and rewards among the former; and to leave upon their minds, in their return into their respective departments, an impression of his power repressive of their ambition, and of his munificence capable of securing their attachment. The parade of troops on the first day's celebration of the anniversary, amounted, according to the computation of Captain Parish, nearly to eighty thousand men. The number of mandarines was about twelve thousand.

For a few days afterwards, a variety of entertainments was exhibited in presence of the Emperor, surrounded by his court. The spectators themselves formed an imposing spectacle; but it wanted that peculiar brilliancy, that animating gaiety, which accompany the assemblages of both sexes. To eyes accustomed to such meetings, those of men alone, have always the appearance more of business than of pleasure. Nor were there at Zhe-hol any sports or tournaments, in his gra

which the courtiers and visitors bore themselves a part. No races or exercises on horseback, among Tartars might have been expected. The shews were entirely Chinese. Individuals who excelled in any particular talent: men who, by natural agility or strength, and by dint of application, became capable of performing extraordinary feats were collected together on the present occasion. The persevering diligence of some of the Chinese, had rendered them masters in the art of balancing their bodies upon a wire, while walking upon it; or a ladder, while passing through its rungs; or several light materials tumbling in the air; or of operating with their hands so slightly, and distracting the attention of others so completely, as to deceive the sense of sight. All these exhibited in their turns; and served to gratify even those who had seen similar performances before, on the reflection of the difficulties surmounted in such exertions. On this principle, the exercises which followed, tumbling and posture-making, had also their admirers. No games were played in which interest arose from the contention of the parties except that of wrestling, the most ancient pastime of all; and in which each of the combatants appeared to aim, notwithstanding the en-

hasslement of long robes and clumsy boots, at
back, raising his antagonist into the air, and afterwards
laying him flat upon the ground. This aim was
sometimes accomplished by muscular efforts dex-
terously applied.

Inhabitants of the different districts of the Em-
peror's wide domains appeared in separate groups,
and in the costume of their respective countries.
Whatever was particular in their usual exercises
or habits, was here displayed. Several of them
danced in a pleasing manner, and with graceful
attitudes. There was some singing, and a vast
variety of musical instruments. The musicians
affected mostly slow and plaintive airs, not un-
like those of the Highlanders of Scotland; which
they played in exact and measured time. To
Mr. Hüttner, a good judge of music, it appeared,
that "their gammut was such as Europeans would
call imperfect, their keys being inconsistent;
that is, wandering from flats to sharps, and
inversely; except when directed by a bell struck
to sound the proper notes." Mr. Hüttner farther
observed, "that the Chinese, in playing on in-
struments, discovered no knowledge of semi-
tones, nor did they seem to have any idea of
counterpoint, or parts in music. There was
always one melody, however great the number

“ of performers; tho, in a few instances, some of
 “ the instruments played in the lower octave,
 “ while the rest continued in the upper; and thus
 “ approached to harmony.” To the musicians,
 succeeded several hundred persons dressed in a
 uniform of olive-coloured tunics, who sung and
 danced in fancied ballets, representing, by the
 help of lights in transparent lanterns of different
 hues, such Chinese characters as conveyed great
 praise of his Imperial Majesty. In the night,
 these ballets would have appeared more brilliant,
 from contrast; but no amusement could be pro-
 tracted to that time, as the Emperor, who rises
 for the most part before the sun, to the dispatch of
 the affairs of state, and to his devotions, generally
 retires before it sets.

After the ballets, fire-works were played off,
 and even in the day-time had a striking effect.
 Some of the contrivances were new to the English
 spectators. Out of a large box, among other in-
 stances, lifted up to a considerable height, and
 the bottom falling out as if it were by accident,
 came down a multitude of paper lanterns, folded
 flat as they issued from the box, but unfolding
 themselves from one another by degrees. As
 each lantern assumed a regular form, a light was
 suddenly perceived of a beautifully coloured

flame, burning brightly within it; leaving doubtful, by what delusion of the sight those lanterns appeared, or by what property of combustible materials they became, thus lighted, without any communication from the outside to produce the flame within. This devolution and development were several times repeated, with a difference of figure every time, as well as of the colours, with which the Chinese seem to have the art of clothing fire at pleasure. On each side of the large box was a correspondence of smaller boxes, which opened in like manner, and let down a kind of net-work of fire, with divisions of various forms, which shone like burnished copper, and flashed like lightning with every impulse of the wind. The whole ended with a volcano, or eruption of artificial fire, in the grandest style.

All those entertainments were exhibited to advantage on the lawn before the Emperor's great tent, and in the open air. They were preferred, on this occasion, to the more refined pleasures of dramatic performances, however relished by the Chinese; but which many of the Tartars, and other foreigners as well as the English, among the audience, could not understand. A select party, including the Ambassador and principal gentlemen of his suite, was invited to the exhibi-

tion of a pantomime, in the playhouse belonging to the ladies of the palace, which was situated in the boundary between their private pleasure grounds, and the Emperor's great garden. It was a small but handsome building, several stories high. There were three open theatres, or stages, one above another. Opposite the lowest stage were deep boxes for the guests, and over them were retired and latticed galleries for the ladies, who, without being seen, could discern what was passing upon either stage. They had not probably any view into the boxes; for the Emperor being disposed to indulge their desire of seeing some person of the Embassy, one of the eunuchs conducted the youth already mentioned, out of the Ambassador's box, upon a platform within the ladies' view.

Instead of human figures upon the stage, the actors assumed the forms of other animated beings, as well as of inanimated productions, of the land and sea. They filled the three several stages, forming a kind of epitome of the world, and performing parts, which, by some, were conjectured to represent the marriage of ocean and the earth. This pantomime consisted of several acts; and the motions and evolutions of the actors lasted a great part of the afternoon.

Between the acts, many of the spectators went into the Ambassador's box, to see and converse with him. Most of them were Tartars: few original Chinese being invited to Zhe-hol. There were likewise two Mussulmen, chiefs of some hordes of Calmoucks, who, not long since, on occasion of discontent or misunderstanding with the government of Russia, migrated in great numbers from the northern coast of the Caspian Sea into Chinese Tartary, and put themselves under the Chinese Emperor's protection. He gave them a very favourable reception, and decorated these two leaders with buttons of dignity, and peacocks' feathers to their caps.

His Imperial Majesty, who seemed, not only in every important measure that he pursued, but even in every step of his ordinary conduct, to be attentive to the impression it was likely to produce on the minds of foreigners, as well as of his own subjects, took an opportunity of calling the Ambassador to him, to say, that "it was only on particular occasions, like the present, that he assisted at such spectacles; the care of watching over the safety of his people, and enacting laws for their welfare, necessarily demanding every moment of his time."

His Imperial Majesty had, however, in fact,

put such order in the investigation of public affairs, and had made such an excellent distribution of his time, that he found leisure to cultivate some of the polite arts, without neglecting the concerns of his crown; he wrote even poems, which indicate taste and fancy, with an attentive view of nature. They are less remarkable for invention, than for philosophical and moral truths; and resemble more the epics of Voltaire, than those of Milton. He presented a few stanzas to the Ambassador for his Majesty, together with some curious and precious gems, which he particularly valued, from having been, he said, eight centuries in his family; and gave them as an earnest of perpetual friendship. He was also fond of painting and drawing, and kept the few missionaries employed, who were capable of cultivating those arts. He was even nice in the formation of the Chinese characters, for which, as for drawings, the pencil is always used. He approved of the Chinese papers, thus copied, by the Ambassador's page; and judging that he could employ his pencil also to other purposes, he sent to him for such of his drawings as he had made from objects in China; of the correctness of which, the Emperor could be a judge. The youth, who was an indifferent draughtsman,

was much embarrassed by this request; but sought for easy subjects, such as the leaf and flower of the favourite nœuphar of the country, and the purse which the Emperor had vouchsafed to give him. The idea pleased his Imperial Majesty, who signified his satisfaction by other presents to him.

After the festivities were over, the Tartar princes began soon to prepare for their return home. They were the chiefs of numerous clans dependent on them, and could bring large bodies of troops into the field. They were often called upon in time of war, and had their respective stations, rank, and duty, assigned to them under the grand banners of Tartary. Their lands, or fiefs, were properly hereditary by primogeniture; but it was of late become necessary for the heir, on the death of his ancestor, to receive a sort of investiture from the Emperor, who seldom, and in very special cases, refuses it. These Tartar princes usually marry the daughters and nieces of the Imperial family, and hold a superior rank at court in consequence of this alliance. Their education is usually directed to military pursuits, and their weapons, the bow and scimitar; but many of them are acquainted with the history and geography of their own country.

They hold the Emperor in the greater veneration, as considering him descended from Kublai-Khan, the conqueror of China in the thirteenth century. His descendants being in the fourteenth century expelled from the throne of that empire, fled into the country of the Man-choos in eastern Tartary; and from their intermarriages with the natives, sprung the Bog-doi Khans, who, in the last age, entered China, and formed the present dynasty: a dynasty hitherto most fortunate. In four first reigns, the last not yet terminated in 1793, have continued one hundred and forty-nine years; the longest perhaps of any four, in an uninterrupted succession, that are remembered; except, indeed, those of the last four reigning princes of the ancient monarchy of France, which continued one hundred and eighty-three years; tho the last sovereign, and best likewise of his race, was cut off by an untimely death. But the four Chinese reigns, tho over a people whose subjection was completed only in the course of them, and who are not yet perfectly reconciled, were not only long, but almost beyond example, prosperous. The first indeed, tho began in a minority, had all the vigour and exertion of a new dynasty; and those which succeeded, were equally remarkable for wisdom,

firmness, and activity. The last is brilliant likewise by its victories. That year, which in the British annals is justly termed the glorious 1759, was glorious also to Chen-Lung. He completed in that year, the conquest of the Eleuths, who possessed a great portion of what formerly was called Independent Tartary.

The present boundaries of the dominions of the Emperor are acknowledged by the Russian maps. Each of those empires contains a surface of about four millions of square miles, or nearly one-eleventh part of the terrene globe, and equal to two-third parts of Europe. These two great empires join at some of their extremities; and, together, form not much less than one-fifth portion of the earth; but in the calculation of the Russian territories, are included that vast and inhospitable tract, bounding on the frozen sea, and bearing a great proportion to the remaining habitable part of that empire. Whereas, all the Chinese dominions are in situations fit and desirable for man. Most of them lie in the happiest part of the temperate zone, under fifty degrees of north latitude. A small part only extends to the southward within the tropics: the whole empire capable of, and much of it actually abounding in,

the most useful productions, as well as rich in the arts of civilized life.

The Emperor divides his time according to the seasons; the winter in his Chinese, the summer in his Tartar, territories. Moukden is the capital of the ancient possessions of his family, which he has greatly embellished and enlarged, and where he is supposed to have accumulated vast treasures; as if he still distrusted the hold he has of China, where indeed, he is considered as a stranger. Throughout Asia, men are not so much distinguished by the places of their nativity, as by the races from which they sprung. The Emperor Chen-Lung, be the fourth in descent from him who successfully invaded China in the last age, and tho the last three succeeding generations were all born at Pekin, yet they are universally regarded by their subjects, and they regard indeed themselves, as Tartars. Their principal ministers, their confidential servants, the chiefs of their armies, most of their wives, concubines, domestics, and eunuchs, are of that race. Every male in China, of Tartar parents or descent, is allowed a stipend from his birth, and is registered among the servants of the prince. These form his body guards, to whom his personal safety is confided. Such a preference of

Tartars, apparently partial and impolitic, was deemed absolutely necessary in the commencement of the dynasty, when the conquest of the country was not complete; and little reliance was to be placed on the fidelity of those who had been vanquished. It became, however, the source of additional disaffection, which, in its turn, called for the continuance of the measure that produced it. No change in the circumstances of the Tartar and Chinese nations since they became subject to one sovereign, has contributed to their union, or to overcome the opposition approaching to antipathy, which must have previously subsisted between a warlike people ever endeavouring to invade, and a civilized people always struggling to exclude, their neighbours. It is still a common saying in the provinces of China where those invaders most abound, that no half a dozen natives are assembled together for an hour, before they begin to clamour against the Tartars. The sovereigns of the present dynasty have, hitherto, ostensibly conformed to, rather than exclusively adopted, the Chinese manners, laws, and language. It is, perhaps, scarcely to be expected that it will continue long enough upon the throne to melt entirely into Chinese. The present dynasty has already lasted almost as long

as the average of those which preceded it; and each indeed, owed its origin to talents and activity, taking advantage of favourable circumstances, so it seldom survived the weak struggle of indolence and incapacity, against calamity or disturbance. The principle of hereditary right, so long the support of other thrones, does not appear to have been ingrafted into the minds of the Chinese, who seem to look to power only, which is a less stable tenure, as the foundation of authority; but hitherto the Tartar princes of the present dynasty, have continued to maintain theirs with a steady and strict hand; and the desire of perpetuating the stability and uniformity of their government, has directed them to the choice of their successors, with a view to effectuate this purpose with the greater certainty. The present Emperor determined some time since upon a measure, which might not be attended with a similar consequence in other countries: that of resigning his crown at a period, which, though at that time distant, his vigorous constitution rendered it probable he should survive; thus enabling him to place beyond risk, the accession of him whom he might appoint to be his heir; and whom, whether his son by nature or adoption, the sentiments of

filial piety, which in China, are not to be shaken even by a throne, as well as those of gratitude and affection, would engage to follow the example and advice of his predecessor. And it is likely that Chen-Lung will have had the gratification of enjoying in another, the dignity and power he has communicated to him, without being himself deprived of either.

Of the several sons of the Emperor, only four are now alive, the eighth, the eleventh, the fifteenth, and seventeenth. The eleventh being Governor of Peking, continued there during his father's absence. The others were at Zhe-hol; of these, the two youngest were understood to be the most promising. They were likewise courteous in their manners, fond of acquiring information about other countries, and curious in examining the inventions and improvement imported from thence.

The Emperor's great age no longer permitting him to follow the grand chase of wild beasts in the forests of Tartary, as he had been accustomed to do after the celebration of his birthday, he determined on his speedy return to Peking, and it was settled that the Ambassador should precede him thither.

Before his Excellency's departure from Zhe-

hol, he received an answer, through the Legate, from Ho-choong-taung, to the letter he had sent some time before, announcing to him, that the Hindostan should be permitted to sell goods and purchase produce at Chu-san, under the auspices of the principal mandarines, who should guard against any frauds that might be attempted by the natives; and moreover, that as she had come out laden in great measure with presents for the Emperor, she should be subject to no duties on her return, which was a boon that had not been requested; but that it was inconvenient to suffer Captain Mackintosh to go at this time to join his ship, the business of which must continue to be conducted by the people to whom she was then entrusted.

This answer was more favourable than was expected from the channel through which it came, except as to the latter clause; and this was owing probably to the remonstrances of the Thibet General, in consequence of that subject having been mentioned when he happened to be present. The virulence of his opposition to the English nation, did not seem abated; and nothing was, perhaps, more desirable for its interest in China, than that he should neither be continued in the councils of the Emperor, or be

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Plants

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sent back to the vice-royalty of Canton, where he might oppress the factory there, or misrepresent their conduct and disposition in his dispatches to the government.

Captain Parish ascertained the latitude of Zhe-hol, to be 41 degrees 58 minutes north. During the short stay of the Embassy there, the weather was remarkably dry, and the sky serene and clear.

Plants, collected in the Journey between Peking and Zhe-hol in Tartary.

Sedum.	Berberis.
Dianthus.	Convallaria multiflora,
Tribulus terrestris,	Lin.
Linnæi.	— verticillata, Lin.
Cassia procumbens, Os-	Asparagus.
beck and Thunberg,	Crassula spinosa, Lin.
non Linnæi.	— another species.
Sophora japonica.	Sambucus nigra, Lin-
Polygonum lapathifo-	næi.
lium Linnæi.	Sambucus umbellata.
Polygonum fagopyrum,	Bupleurum.
Lin.	Swertia rotata, Linnæi.
— another species.	Ulmus.

Chænopodium, three species.	Scabiosa leucantha, — another species,
Asclepias Sibirica, Lin.	Aristida.
Vitis heterophylla, Thunberg.	Arundo.
Euonymus.	Avena.
Rhamnus, four species.	Briza eragrostis, Lin.
Capsicum,	Poa.
Solanum nigrum, Linnæi.	Panicum crus corvi, Linnæi.
Physalis alkekengi, Linnæi.	— glaucum, L.
Hyoscyamus niger, Linnæi.	— italicum, L.
Campanula, two species.	— viride, L.
Convolvulus, two species.	— ciliare, Retz. obs.
Lysimachia,	— another species,
Echium.	Saccharum.
Cistus.	Cyperus iria, Linnæi.
Sanguisorba officinalis, Linnæi.	— another species.
Rubia cordata, Thunberg.	Moræa chinensis, Linnæi.
Scabiosa leucantha, Linnæi.	Ixia chinensis, Linnæi.
	Valeriana.
	Amethystea cærulea, Linnæi.
	Veronica, two species.
	Syringa vulgaris, Linnæi.

EMBASSY TO CHINA.

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Quercus.

Salix.

Pinus.

Nicotiana.

Allium.

Morus.

Fraxinus.

Aster.

Pæonia.

Matricaria.

CHAPTER II.

RETURN TO PEKIN. OBSERVATIONS AND OCCURRENCES THERE, AND AT YUEN-MIN-YUEN.

A VAST assemblage of strangers could not continue long at Zhe-hol without inconvenience. The principal of those who attended there on the occasion of the anniversary of the Emperor's birth, departed from thence, in different directions, at the same time with the British Ambassador, on the twenty-first of September. Amongst those whose route lay, like his, to the southward, were the delegates from Pegu, and other kingdoms bordering upon some of the Chinese provinces. Very different motives from those which occasioned the present Embassy, induced the sovereigns of those states to send persons frequently to represent them at the court of Peking. - Their dominions were not only vastly inferior to China in extent and population, but from a weak and unsteady government, and the frequency of intestine divisions, were little able to cope with that great empire; nor could they rely, for their

support, upon the assistance of other princes, actuated by the jealousy of maintaining the balance of Asiatic power. It was, therefore, become generally a maxim of political prudence with them, to acknowledge a sort of vassallage to China, by sending tribute, and paying homage, to the Emperor, in order to avoid a more direct interference; and the danger, if they resisted, of entire subjugation in a contest so unequal. Those delegates were placed under the conduct of some inferior mandarines; and a moderate yet decent stipend was allowed for their maintenance during their stay in the country. But the mandarines, trusting to the difficulties that a stranger always experiences, in conveying a complaint, and the hazard of attempting it, gave way to the contempt which they felt for those foreigners, and often treated them with indignity. Those mandarines also, receiving themselves very small salaries from government, felt little scruple in taking advantage of so favourable an opportunity to derive emolument from defrauding the persons under their care, of a considerable share of their allowance. Luckily in such circumstances, those men had been habituated to the hardships of a military life; nor were their minds so refined as to feel humiliation very poignantly; and their

chief mortification, perhaps, arose from the superior treatment of the English Embassy.

The same parade, as formerly, continued to attend it. As it was no longer encumbered with the presents carried to Zhe-hol, and left there, the determination was taken of travelling faster than before, but still of stopping at some of the Emperor's palaces, where all things were made ready for the reception of the Ambassador and his retinue. The highways which were now repaired, facilitated their progress. One indeed was reserved for the use of the Emperor alone. This was rendered perfectly level, dry, and smooth. Cisterns were contrived on the sides of the Imperial road, to hold water for sprinkling it occasionally, in order to keep down the dust. Parallel to the Emperor's, was another road, not quite so broad, nor swept continually with so much care, but perfectly commodious and safe. This was intended for the attendants of his Imperial Majesty; and upon this, the British Embassy was allowed to pass. All other travellers were excluded from these two privileged roads, and obliged to endeavour to make out a path wherever they were able.

Short as was the interval which elapsed since the Embassy had gone along this route to Zhe-

hol, the change in the temperature already was considerable; and a greater degree of cold experienced, than in a similar latitude at the same season in Europe. It affected, indeed, the human frame with a keenness seldom felt in England.

When the gentlemen of the Embassy arrived at Koo-pe-koo, near which they had already visited and examined the great wall, insatiate curiosity excited some of them to inspect once more that ancient bulwark. Here they had a fresh instance of the extreme jealousy of the government, or of the persons commanding under it. The breach through which those travellers before had passed to mount the wall, was, during their absence, stopped up with stone and rubbish, so as to prevent their passage. The Tartar and Chinese attendants seemed, indeed, in all cases, to be embarrassed between the fear of offending guests they were ordered to respect, if they should attempt to put any actual constraint upon their actions, and the dread of being responsible for suffering strangers to have too near an insight of the country. The policy of these persons consisted chiefly in diverting the strangers from curious objects of pursuit, by indirect methods, and by throwing obstructions, apparently accidental, in their way; and the gentlemen of the

Embassy, from prudence partly, and partly from consideration towards their attendants, desisted frequently from excursions and inquiries perfectly harmless in themselves.

In the beginning of this journey, one of the Ambassador's guards died of a surfeit, as was supposed, of fruit. His death happened in one of the Emperor's palaces; but such is the extraordinary delicacy of this people in every thing relating to their dread sovereign, that it was contrary to rule to have allowed any person to breathe his last within the Imperial precincts. The conductors, therefore, of the Ambassador directed the corpse of this European to be carried from thence in a palanquin, as if still alive, and his death was announced at some distance upon the road.

Another person belonging to one of the Ambassador's suite, labouring under a dysentery, stopped at a Chinese inn, and was induced to consult a physician of the place, who, to the doctrine of the pulse, added a discourse upon the different temperaments of the human frame, and unluckily attributing his patient's suffering to the predominance of cold humours, prescribed for him strong doses of pepper, cardamoms, and ginger, taken in hot show-choo or distilled

from spirit; a medicine which so exasperated all the
sisted symptoms of his disorder, that he had much dif-
s per culty to escape alive to Peking.

The return of the Ambassador and his suite to
of the that capital, was a joyful event to such of the an-
s wa cient companions of the voyage as he had left
n on there behind him. They had lived, in that in-
extra-terval, a retired and secluded life. Many, in-
thing deed, of the missionaries were nearly as desirous
as con of their society, as exiles usually are to see their
on u countrymen in a foreign land; and accordingly,
cinctu in the beginning, some of the fathers called upon
sador the English every day; but this very intimacy
be ca contributed, perhaps, to arouse the extreme jea-
alive lousy of the Chinese against both. The long re-
istan- sidence of the former did not exempt them from
the general mistrust entertained of foreigners;
ne Em and nothing could be more dangerous or extra-
entery- vagant, than the designs attributed to the latter,
anced to particularly in letters from Canton and Macao.
ne doc It was quickly determined by the officers of go-
on the vernment at Peking, that as little opportunity as
ne, and possible should be afforded by any communi-
ring to cation between the old and new Europeans there.
scribed Under some futile pretence of preventing the ser-
ns, and vants attending upon the former from purloining
distilled any of the Ambassador's effects left in his hôtel

during his absence, that missionary alone was permitted to continue going there, who had been appointed to inquire into the wants of the persons remaining behind his Excellency, and to transact any necessary business for them. Their foreign dress also attracted an intrusive mob about them whenever they ventured into the city. They had no mandarines of rank, to procure respect for them as they went along; nor had they the benefit of Chinese interpreters with them, to explain any thing they heard or saw. The boundaries of their hôtel were, however, so extensive as to admit of exercise within its bounds, and to prevent them from suffering under the feelings of personal constraint. Several of them also went frequently to Yuen-min-yuen, where the arrangement of the machines, and others of the principal presents, required their superintendence. Doctor Scot, who had been left to take care of several of the guard and servants that were ill, was particularly attentive to his patients. Another circumstance afforded him also some occupation. In China, as elsewhere, not only the wants of man are what excite his ingenuity to supply them, but his inventions seldom outstep the absolute occasion he feels for them. The interior covering, as well as exterior dress of the Chinese,

is generally of a dark colour, not requiring to be preserved or renewed by frequent washing; and consists sometimes of materials that do not admit of such an operation. White garments of any kind are worn only for mourning. These cannot be too much soiled for the etiquette, which excludes every appearance of personal care or ornament from those who are supposed to be overwhelmed with grief. The close dress of Europeans requires, for health, as well as cleanliness, to be often changed; but the loose manner in which the people of Asia wear their clothes, tho it requires frequently a greater quantity of them to guard against the inclemency of the weather, permits them to be worn a longer time without inconvenience. Their tables, which the varnish always laid upon them prevents from imbibing moisture, or being injured by dust, are not covered with cloths. They spread no sheets upon their beds. They have not adopted the use of linen; and white cotton is applied by most of them to a very few purposes only. The coarse cloth generally used by them will admit of being steeped in alkaline ley, for the purpose of being washed, or freed from the impurities which stuck to it while warm. The alkali employed for this purpose, is a white fossil substance found

in plenty about Peking; nor do they in most cases require any other, except indeed for cleansing the skin, in regard to which the Chinese are not without abundance of cosmetics. For fine linen, however, this alkali of the Chinese is too acrid, and speedily destroys its texture. To correct this ill quality, Doctor Scot turned artist, and having procured a sufficient proportion of oil, soon made with it and the alkali, very good soap, for the consumption of his companions and himself.

It is likely that the general use of linen, to which Europe is supposed to be indebted for its present exemption from leprous affections, will be adopted by the Chinese, in the course of their increased commerce and connections with Europeans. Leprous disorders are those alone for which any hospitals are regularly erected in China, on the principle of their being too infectious, to admit of persons afflicted with them having any communication with the rest of society.

The article of soap will, probably, soon follow that of linen, as a necessary appendage. The ingredients for making it, and most other articles demanded for the use of the English Embassy, were furnished at the expence of the Chi-

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nese government. It was, however, necessary to be very particular in explaining the use and occasion of them, to the mandarines. The request made to them, tho never, in words, refused, was not always complied with, in fact. Sometimes also, an alarm was taken by them, as if some improper purposes were intended to be effected by what was called for. One of the painters of the Embassy once wished to have an easel or stand for the framed canvas, on which he meant to draw the portrait of a missionary. The mandarines, not comprehending the nature of an easel, simple as it seemed, and probably apprehending that it might be some part of a mathematical apparatus, for the purpose of making military plans or measurements, or for taking sketches of the fortifications or ramparts of the capital, could not be persuaded to give directions for making such an instrument. Some individuals of the Embassy wished, also, to procure what they wanted at their own expence; but they were narrowly watched, the prices of the articles returned to them; and corporal punishment inflicted on those who sold them. Hospitality to strangers, demanding that they should be freed from all charges, was indeed the ostensible ground for this severity; tho it appeared not to be altogether

unconnected with a system of precautions dictated by jealousy.

To this political and prejudiced jealousy, was added, tho very innocently on the part of those who gave rise to it, a jealousy and alarm of another kind. In one of the courts of the Ambassador's hôtel, were rocks artificially heaped up in the Chinese taste, by way of decoration, and which served, tho not intended for such use, as steps to the top of the wall surrounding the whole inclosure. From thence could sometimes be perceived, the female inhabitants of the neighbouring houses. It was said, that in this manner a few persons belonging to the Embassy happened, in the vacancy of employment, during his Excellency's absence, but without being impelled by any motive of improper curiosity, to walk upon the walls of the hôtel. This accidental occurrence was, however, considered as unbecoming, and gave offence to the neighbourhood, and the practice, upon representation, was immediately discontinued. At this period a confused account arrived at Peking, of the temporary controversy about the ceremony of reception, which at Zho-ho had been so quickly settled. Some politicians inferred from thence, beside considering the Ambassador's visit at an end, that he would not

allowed to return to the capital; but like other delegates who left Tartary at the same time, would be obliged to continue his route without passing through it. The arrival of his Excellency at Pekin put an end to these conjectures.

His entrance into it was attended with the usual honours; and he received the customary visits from the principal mandarines, several of whom were in waiting for him at his hôtel. Yet he was aware of the propriety of fixing a period to his Embassy. The permanent residence of a minister in China, from a foreign court, was yet utterly unknown in that country. The maxim of considering foreign ambassadors as guests, whose charges it was becoming to defray at the public expence, while they continued in the country, led naturally to the rule of putting quick limits to their stay. The extraordinary degree of cost, which the splendid treatment given to the English, occasioned to the Emperor, was an additional argument, with the former, against the prolongation of the visit, as it would have been an abuse of the hospitality with which they were received. It would have offended too much the pride and prejudices of the Chinese nation, to have pressed, abruptly, a proposal in this first diplomatic mission, for giving up its ancient notions in

regard to public visitors, and for suffering them to bear their own expences, while yet within the dominions of China. His Excellency was determined, therefore, to desire leave to depart, after the great festival, in the beginning of the Chinese year, in February. During that interval, whatever he could reasonably hope to obtain, or ought to apply for, might be accomplished; and an amicable and frequent intercourse might gradually be established for the mutual convenience of both nations.

His Excellency understood, indeed, that some proposal for his departure, would be soon expected; and that at Yuen-min-yuen, the persons left there to adjust the nice machines, brought out as presents, were urged to finish their work, lest it should be left incomplete. Dr. Dinwiddie continued almost constantly there, to direct the workmen in putting together the various complicated parts of the Planetarium. Mr. Barrow went and resided occasionally at the same place, to superintend the arrangement of all the other presents. He had frequently the opportunity of observing there the ingenuity and dexterity of the Chinese workmen. Two of them took down the two magnificent glass lustres sent as presents to the Emperor, in order to place

them in a more advantageous position. They separated them piece by piece, and put them again together in a short time, without difficulty or mistake, the whole consisting of many thousand minute parts, tho they had never seen any thing of the kind before. Another Chinese cut a narrow slip from the edge of a curved plate of glass in order to supply the place of one belonging to the dome of the Planetarium, which had been broken in the carriage. The English mechanics belonging to the Embassy had in vain attempted to cut the glass according to this curve line, with the assistance of a diamond. The native workman did not shew his method; but it was said that he succeeded, by first drawing the point of a heated iron across the surface to be divided.

The invention of this artist, in the present instance, was the more singular, as there is, actually, no manufacture of glass in the empire, except at Canton, where, instead of fusing the rough ingredients of flint or sand and barilla, and converting them by the proper process into glass, the manufacturer is satisfied with melting the pieces broken by accident of that material, and forming them into new shapes, according to the uses to which they might be destined. The Chi-

nese appear indeed to have strong claims to the credit of having been indebted only to themselves for the invention of the tools, necessary in the primary and necessary arts of life. The learned and attentive traveller will have observed, in relation to common tools, such as, for example, the plane and anvil, that whether in India or in Europe, in ancient or modern times, they are found to have been fabricated in the same precise form, scarcely ever differing, except perhaps in the roughness of the materials, or of the make, and all denoting a common origin, being almost a servile imitation of each other. In China alone, those tools have something peculiar in their construction, some difference, often indeed slight; but always clearly indicating that, whether better or worse fitted for the same purposes, than those in use in other countries, the one did not serve as a model for the other. Thus, for example, the upper surface of the anvil, elsewhere flat and somewhat inclined, is among the Chinese swelled into a convex form.

In the forges near Peking, on the road to Zho-hol, where this particularity was observed, another also attracted the attention of the traveller. The bellows used by the common smiths of Europe are vertical. The blast is impelled, partly

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by the weight of the machine, rendered heavy for that purpose; but it is opened or raised by muscular exertion overcoming the gravity useful in the former instance; and, during that operation, the blast is discontinued. The Chinese bellows are horizontal. The workman is not aided at any one time by the weight of the machine; but he is not burdened with it at another. It is an advantage that the labour should thus be equable and never excessive. The bellows are made in the form of a box, of which a moveable door is so closely fitted, as when drawn back to create a vacuum in the box, into which, in consequence, the air rushing with impetuosity, through an opening guarded by a valve, produces a blast through an opposite aperture. The same is continued when the door is pushed forward to the opposite extremity of the box, the space within it being diminished, and the air compressed, a part of it is forced out through the same aperture. When instead of a moveable door, a piston is placed within it, the air is compressed between the piston and both extremities of the box alternately, and forced out, upon the same principle in both operations. This double or perpetual bellows, is worked with equal ease, and with double the effect of the common or single bellows.

A model of the Chinese bellows, not easily intelligible by description, has been brought to England, and will be submitted to the curious.

The common plane of the Chinese carpenter is, like the anvil, distinguished by some minute particulars which characterize it to be original. It differs not only by the way of fixing the chisel in it, but by the manner in which it is used. The ends of the frame itself serve, elsewhere, for handles by which the tool is held and applied to the wood of which the surface is to be made smooth; but to the Chinese plane are fixed particular handles across the frame, by which the same purpose is effected perhaps with greater ease.

The histories of the first remote ages of Chinese transactions, attribute the most useful inventions in society to the first or oldest monarchs of the country. It is much more probable that they were the gradual result of the efforts of several obscure individuals, who felt, in the course of their own labours, and endeavoured to supply the want of such mechanical assistance; and that subsequent historians, not able to trace the real inventors, substituted the names of the encouragers or promoters of those arts. There is, however, reason to believe that not only the in-

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ventions of first necessity, but those of decoration and refinement, were known among the Chinese in remote antiquity. The annals of the empire bear testimony to the fact, and it is confirmed by a consideration of the natural progress of those inventions, and of the state of Chinese artists at this time. In the first discovery and establishment of an art, it is practiced awkwardly, even with the help of tools; and this state is supposed to be long stationary, until at length it advances to its second period, when it becomes improved, and the artist is enabled to avail himself to the utmost of every tool and machine than can assist him. The last period of perfection is that in which the artist is become so dextrous, as to complete his work with few or awkward tools, and with little or no assistance. And such is the character of the Chinese potter, weaver, worker in the precious metals, and in ivory, and of most others in the several trades commonly practiced in that country. And such attainment is, no doubt, the utmost effort of the art, and the strongest test of a very ancient possession of it. It is not surprising that the method of making gunpowder, and of printing, should be discovered to the Chinese long before they were known by Europeans. With regard to the first, in what-

every country nature creates nitre (one of the chief ingredients for making gunpowder) in the greatest plenty, there its deflagrating quality is most likely to be first observed; and a few experiments founded on that observation, will lead to the composition that produces such sudden and violent effects. Nitre is the natural and daily produce of China and India, and there, accordingly, the knowledge of gunpowder, seems to be coeval with that of the most distant historic events. Among the Chinese, it has been applied at all times to useful purposes, such as blasting rocks, and removing great obstructions, and to those of amusement, in making a vast variety of fire-works. It was also used as a defence, by undermining the probable passage of the enemy, and blowing him up. But its force had not been directed through strong metallic tubes, as it was by Europeans soon after they had discovered that composition. Yet this invention did not prove so decisive for those who availed themselves of it, as to mark distinctly in history, the precise time when its practice first took place. And tho, in imitation of Europe, it has been introduced into the armies of the East, other modes of warfare are sometimes still preferred to it.

In relation to the second method, or art of

printing, important as are its effects in Europe; it is obvious that as its object is only to multiply copies of the same writing, it could be sought for only in that society which produces many readers. The number of such would no doubt be increased wherever it were introduced; but where that number is become very considerable, from other causes tending to increase the civilized and lettered classes of society, the various attempts to supply their taste, would naturally lead to so simple an invention as the Chinese art of printing. It consists in nothing more than in cutting, in relief, the forms of the written characters on some compact wood, daubing afterwards those characters with a black glutinous substance, and pressing upon them different sheets of paper (itself a previous and ingenious invention), each sheet taking thus an impression of the characters upon which it had been laid. The art of engraving, for the gratification of the rich and powerful, had been carried to such perfection among many nations of antiquity, that the invention of printing, as here described, and coming so near to mere engraving, was likely soon to follow whenever the number of readers should be so great as to insure reward to the inventor. The state of society in China, from the most early ages, rendered that number

prodigious. Unlike to the rest of the world, in the p
where valour and military talents, occasionally second e
united with natural eloquence, were originally It ha
the foundation of all wealth and greatness, while that mo
literature was little more than an amusement; the to that c
study of the written morals, history, and policy applicab
of China, was the only road, not merely to power, guage co
and honour, but to every individual employment, character
in the state. The necessity, therefore, for such letter in
a multiplicity of copies of works of learning in ing-offic
all persons in the middling as well as upper classes letters o
of life in the most populous of all empires, wa perceive
the early and natural parent of the printing art, quishes
as it is still practiced among them. the hab

The paper used by the Chinese for their pub for them
lications, is too thin and weak to receive distinct of a ha
impressions on both sides. The engraved board wards t
on which the paper is laid to take the impression such ke
on one side, generally contains the characters to be acqu
two pages. The paper when printed off, is doubled The pra
together, the blank sides touching each other with ei
The fold forms the outer edge, which thus is number
double, while all the single edges, contrary to these ton
the mode of European bookbinders, are stitched to the a
together and bound into a volume. After the separate t
edition is worked off, the plates or boards are taken men
collected together, and it is generally mentioned, as

world, in the preface where they are deposited, in case a second edition should be called for.

It has sometimes been thought in Europe, that moveable types were a preferable invention to that of the Chinese; but they seldom can be applicable to the impression of writings in a language consisting, like theirs, of a vast variety of characters, if each character be considered as a letter in an alphabet. The compositor in a printing-office easily distributes the four-and-twenty letters of an alphabetic language. He at once perceives where each is to be found. He distinguishes them at a glance. His hands acquire even the habit of reaching rapidly, without looking, for them, as the fingers learn to touch the keys of a harpsichord without turning the eyes towards them. Were there many thousands of such keys, it is obvious that no such habit could be acquired, nor could the keys be within reach. The practice were equally impossible, in printing with eighty thousand moveable types, for that number of different characters of which the Chinese tongue consists. It has not, indeed, occurred to the artists of China to form moveable and separate types, for each of the minute strokes, or elements, of which such characters are composed, as has been attempted some years since in

Germany. It is possible that such a practice might be found to answer, notwithstanding the difficulty which must arise from the minuteness of the type necessary for each particular stroke; a difficulty which, when all the types are not necessarily of so small a size, has been overcome by a very ingenious and learned gentleman, in printing the Persian language in Bengal; and the further difficulty, of uniting, in the impression, the several strokes, marked by separate types, of a Chinese character, which does not exist in printed European languages, where the letters of the same word seldom touch each other.

The Chinese are satisfied, whenever the same characters very frequently occur, as in the public calendars and gazettes, to use types for such cut apart, and occasionally inserted within the frames where they are wanted.

Gazettes are frequently published in Peking under the authority of government. The various appointments throughout the empire, the favours granted by the Emperor, all his public acts, his remission of taxes to districts suffering by dearth or other general calamity, his recompense of extraordinary services, the embassies sent, and the tribute paid, to him, form a considerable part

the public news. The domestic details of his household, or of his private life, are seldom, if ever, mentioned. Singular events, instances of longevity, sometimes the punishments of offences committed by mandarines, are there recorded. Even some instances of the adultery of women, which is a punishable, tho not a capital, offence, are occasionally published, perhaps by way of deterring others from the commission of the like enormities. While China was at war, its victories, as well as the suppression of rebellions, were announced. In all other cases the world, in point of intelligence, is confined to China.

Beside the classic works of the Chinese, of which the multiplication by printing is prodigious, the lighter literature of the country gives no inconsiderable occupation to the press. The *Orphan of China*, however improved in an English dress, by a very respectable dramatic poet, may be considered as no unfavourable specimen of Chinese tragedy; and the *Pleasing History*, of which an English translation, under the care of a learned and ingenious prelate, was published several years ago, is an instance of Chinese novel writing, that is interesting and simple; and for serious readers, the zeal of Christianity had induced the missionaries to procure the publica-

tion of several works in the Chinese tongue in proof of the tenets which they preached.

Notwithstanding the vigilant police of the Chinese magistrates, books disapproved by them are, in various instances, privately printed and disseminated in China. It is not easy to prevent, or even always to detect, the operations of a trade which, beside paper and ink, require little more than some pieces of board, and a knife to cut out characters upon them. The books thus published furtively, are chiefly those which are offensive to decency, and inflame the imagination of young minds. It is not said that any are levelled against the government. The mandarines asserted, however, that a sect had for ages subsisted in the country, whose chief principles were founded upon an antipathy to monarchy; and who nourished hopes of, at last, subverting it. Their meetings were held in the utmost secrecy, and no man avowed any knowledge of them; but a sort of inquisition was said to be established in order to find them out. They, who were suspected of such sentiments, were cut off, or hunted out of society; somewhat like those who were accused formerly of Judaism in some Roman Catholic kingdoms.

The political, moral, and historical works of the Chinese contain no abstract ideas of liberty,

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which might lead them to the assertion of independence. It is said, that in the French zeal for propagating principles of democracy, their declaration of the Rights of Man had been translated into one of the languages of India, and distributed there. It is not, indeed, likely to cause any fermentation in the tranquil, submissive, and resigned minds, with the weak and delicate constitutions, of the Hindoos; but it might be otherwise among the Chinese people, who are more susceptible of such impressions, their disposition being more consonant to enterprize. They are a more hardy race. Their more northern climate tends to render them able as well as resolute. They are more husbandmen than manufacturers, and as such, are apt to feel a more undaunted spirit. The minds of many of them, also, are not altogether satisfied with their condition, which lays them perpetually, both as to their fortunes and their persons, at the mercy of the mandarines. Corporal punishment, to which every man amongst them is subject at the instant nod of any magistrate, and sometimes even the apprehension of it, is capable, when it does not utterly debase the mind, of exciting impatient and indelible resentment. A manifestation of innocence will not always avail to support an individual in

an appeal to superior power. The maxim of maintaining proper subordination, will generally intervene to impede redress. Enormous and multiplied oppressions, at length producing tumult, in the despair of suffering, do force, indeed, attention: the magistrate is then removed, and often very severely punished. But if, in committing excesses against the subject, he escapes mostly with impunity, he is treated with inexorable rigour on the slightest failure towards government. He lies under the hardship, also, of being frequently responsible for events which he seldom can control. Upon the general principle that it is his duty to watch over the morals of the people, he is in many cases considered as a criminal for not preventing crimes which he had not been able to prevent. The mandarins are thus aware, of not being guaranteed by good conduct against disgrace, and feel the chagrin of insecurity. That government is certainly the most firm, in which a large proportion of the subjects, as in Great Britain, are conscious of having an interest in its preservation. Such does not seem the general sentiment in China. Without any reasoning upon the right of changing their rulers, many Chinese are disposed to see in such an alteration a prospect of a meliorated

condition. These feel inclined to take a part in the revolts which frequently happen in one or other of the provinces. The junction of numbers is prevented chiefly by the fear of failure. When personal attachment to the sovereign, to obtain which great pains have been taken in the present dynasty, ceases in consequence of any general evil pressing upon the people, which he is either supposed to have occasioned, or not to have endeavoured to remedy, no sentiment of his having a claim of right to the throne he fills, which is elsewhere such a security to monarchs, arrests the disposition of endeavouring to make him yield it to another. The general maxim of obedience to the prince, inculcated by the moralists of China, might not hold firm in every breast against the novel doctrine of the sacred right and duty of insurrection against oppression; tho it seems already to have been exploded as dangerous in practice, from the country where it first was propagated. The cautious government of China aware, indeed, of the avidity with which notions of equality might be adopted, particularly by young minds, in the lower conditions of life, most likely to be inflamed by such a flattering and new light, begun early to take precautions against their introduction. Hi-

therto, the great basis of the safety and tranquillity of the empire, has been the patriarchal system, which, as was noticed on a former occasion, has continued to be followed to this time, in China, where all the individuals of succeeding generations, live under the oldest surviving heads of families. The prudence and experience of the latter in directing the concerns of their offspring, tend to avert from them the evil consequences of events which might provoke discontent and disaffection; and their mistrust of innovation induces them to set the example of resignation to the lot of life in which they happen to be placed. The natural sentiments of respect to age, united with affection to kindred, early taking root, and strengthened by a daily sense of services received, often bind the mind more effectually, tho with gentle ties, than the force of compulsory laws.

The art of printing, practised probably at a very early period of the empire, has contributed to the preservation of it in a state nearly uniform to this time. It has been the means of diffusing universally, and establishing among all ranks of men, certain fixed principles of right, and rules of moral rectitude, which serve as so many dikes or barriers against the tumult of human passions, and restrain the propensities of conquerors in the

plenitude of power. At every change in the government of the neighbouring countries not so circumstanced, success, like a torrent, sweeps before it, and levels all former arrangements of society. But in China, institutions and opinions survive the wreck of revolutions. The sovereign may be removed, his whole family cut off; but the manners and condition of the people remain the same. The throne itself is supported by maxims propagated from the press. The virtues of its possessor are emblazoned by it to all his subjects. It gives him the vast advantage of directing their sentiments as he thinks fit. His palaces, his gardens, his magnificence, create no envy towards a prince represented to be endowed with the most transcendent qualities, and to be employed in promoting, without intermission, the happiness of his people.

Exterior ceremonies performed to his honour, are not mere idle forms; but contribute to inspire the people with sentiments of respect and duty towards him. In the great palace of Pekin, all the mandarines resident in the capital, assembled about noon on his Imperial Majesty's birthday, and, dressed in their robes of ceremony, made the usual prostrations before the throne; incense of sandal and rose woods burning upon it at the

same time, and offerings being made of viands and liquors, as if, tho absent, he were capable of enjoying them.

Mr. Barrow was present while the same ceremonies were observed at Yuen-min-yuen; and he was informed that they likewise took place on that day in every part of the empire, the prostrators being every where attentive to turn their faces towards the capital.

On all the days of new and full moon, similar incense is burnt, and offerings are made before the throne by the officers of the household, in the several palaces of the Emperor.

Those palaces are very numerous throughout the empire. That of Pekin forms the centre of the Tartar city. Tho that capital stands in the midst of a dusty plain, from whence the mountains of Tartary can be perceived only at a distance, yet the walls which environ the palace, offices, and gardens, include every variety of ground in miniature which the sportive hand of nature has created upon the surface of the globe. Mountains and vallies, lakes and rivers, rude precipices and gentle slopes, have been produced where nature did not intend them; but in such correct proportions, and with so much harmony, that, were it not for the general uniform appear-

ance of the surrounding country, a spectator would entertain some doubt whether they were the real productions, or the successful imitations of nature. This world, in miniature, has been created at the command and for the pleasure of one man, but by the hard labour of many thousands.

The temples of Peking are not equal to its palaces. The religion of the Emperor is new in China, and its worship is performed with most magnificence in Tartary. The mandarines, the men of letters, from whom are selected the magistrates who govern the empire, and possess the upper ranks of life, venerate rather than they adore Confucius; and meet to honour and celebrate his memory in halls of a simple but neat construction. The numerous and lower classes of the people, are less able than inclined to contribute much towards the erection of large and costly edifices for public worship. Their religious attention is much engaged, besides, with their household gods. Every house has its altar and its deities. The books of their mythology contain representations of those who preside over their persons and properties, as well as over exterior objects likely to affect them. In the representation of *Lui-shin*, or spirit presiding over

thunder, the violence of that meteor, which nothing is supposed capable of withstanding, the velocity of the lightning, which nothing can exceed, and their united effects, are represented by a monstrous figure, who is involved in clouds. His chin is terminated in the beak of an eagle, to express the devouring effects of thunder, as his wings do its swiftness. With one hand he grasps a thunderbolt, and in the other is held a truncheon for striking several kettle-drums with which he is surrounded. The talons of an eagle are sometimes represented as fixed upon the axis of a wheel, upon which, with aided velocity, he rolls among the clouds. In the original from whence this description is taken, the dreadful effects of this terrific spirit beneath the clouds, are pointed out by the appearance of animals struck dead, and lying prostrate on the ground, buildings overturned, and trees torn up by the roots.

In the neighbourhood of Peking, the gardens and pleasure grounds of Yuen-min-yuen occupy a considerable tract of ground, of which the circuit was, according to the observation of Mr. Barrow, at least twelve miles. That gentleman, who saw more of it than any other person of the Embassy, thought it a "delightful place. The

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“grand and agreeable parts of nature were separated, connected, or arranged in so judicious a manner, as to compose one whole, in which there was no inconsistency or unmeaning jumble of objects; but such an order and proportion as generally prevail in scenes entirely natural. No round or oval, square or oblong lawns, with the grass shorn off close to the roots, were to be found any where in those grounds. The Chinese are particularly expert in magnifying the real dimensions of a piece of land, by a proper disposition of the objects intended to embellish its surface; for this purpose, tall and luxuriant trees of the deepest green were planted in the fore ground, from whence the view was to be taken; whilst those in the distance gradually diminished in size and depth of colouring; and in general the ground was terminated by broken and irregular clumps of trees, whose foliage varied as well by the different species of trees in the group, as by the different times of the year in which they were in vigour; and oftentimes the vegetation was apparently old and stunted, making with difficulty its way through the cliffs of rocks, either originally found or designedly collected upon the spot. The effect of

"intricacy and concealment, seemed also to be
 "well understood by the Chinese. At Yuen-
 "min-yuen, a slight wall was made to convey
 "the idea of a magnificent building, when seen
 "at a certain distance through the branches of a
 "thicket. Sheets of made water, instead of being
 "surrounded by sloping banks, like the glacier
 "of a fortification, were occasionally hemmed
 "in by artificial rocks, seemingly indigenous to
 "the soil.

"The only circumstance which militated
 "against the picturesque in the landscape of the
 "Chinese, was the formal shape and glaring
 "colouring of their buildings. Their undulat-
 "ing roofs are, however, an exception to the
 "first part of the charge: and their projection
 "throws a softening shadow upon the colonnade
 "which supports it. Some of those high towers,
 "which Europeans call pagodas, are well adapted
 "objects for vistas, and are accordingly, for the
 "most part, placed on elevated situations.

"Notwithstanding the just ideas which the
 "Chinese conceive of ornamental gardening,
 "and the taste with which they dispose of every
 "object to the greatest advantage, they are not
 "only ignorant of the principles of perspective,
 "and of the gradations of light and shade, but

"are insensible of their effect, as appeared from
"their own performances with the pencil. When,
"likewise, several portraits by the best Euro-
"pean artists, intended as presents for the Em-
"peror, were exposed to view, the mandarines
"observing the variety of tints occasioned by the
"light and shade, asked whether the originals
"had the right and left sides of the figure of dif-
"ferent colours? They considered the shadow
"of the nose as a great imperfection in the pic-
"ture, and some supposed it to have been placed
"there by accident. An Italian missionary at
"the court of Peking, of the name of Castiglione,
"who was an excellent painter, received orders
"from the Emperor to paint for him several
"pictures; but it was intimated to him at the
"same time, to imitate the Chinese style of paint-
"ing, and not that of Europe, which was consi-
"dered as unnatural. Accordingly, in the per-
"formances meant to decorate the palace, houses
"above houses are seen in regular gradation to
"the top of the picture; figures in the fore and
"back ground are all of the same size, setting,
"in fact, nature and the senses at defiance. He
"also painted a set of characters occupied in the
"different trades of China. The penciling and
"colouring of these were incomparably well exe-

“cuted: but for want of the proper shadows,
 “the whole was without effect. Yet they please
 “the Chinese in preference to any specimen
 “of the arts that could be brought from Eu-
 “rope.”

The Chinese, indeed, seem to consider shade as an accidental circumstance, which ought not to be carried from nature to a picture, from which it takes away a part of the eclat and uniformity of colouring; and as to the representation of objects at different distances, they prefer having them drawn, not as they appear to the eye, gradually diminishing as they recede from it, but of their actual size, as determined by the judgment correcting the errors of sight: errors necessary, however, to the beauty and consistency of landscape.

The ill effect of paintings executed in conformity to those Chinese notions, must operate as a discouragement to the art. In lieu of pictures, the houses are supplied with tablets of moral sentences, painted on wood or silk in the neatest manner; and these are deemed preferable to the works of the best masters. Tho the Chinese fail in grouping figures, and in every part of composition and design, they succeed in drawing individual objects. They are particularly happy in the delineation of natural history; the different

subjects appearing not only correct, but with the features and attitudes of nature, and with an exactness so minute, that a Chinese painter sometimes reckons the number of scales upon a fish which he is to represent. The whole is finished with a brilliancy of colouring, the more suprising, as it is found to be owing to the more patient and careful levigation of the same pigments which are used in Europe. Some European prints have been copied by them, and coloured with an effect which has attracted the admiration of the best judges; and a gentleman eminent for his taste in London, has now in his possession a coloured copy made in China, of a print from a study of Sir Joshua Reynolds, which he deems not unworthy of being added to his collection of valuable paintings.

“The imitative powers of the Chinese.” Mr. Barrow, indeed, observes, “have long been noticed; but the little communication they have with other nations, and the want of encouragement from their own government, founded on the policy of discountenancing luxury and promoting labour, particularly that of agriculture, seem to be the chief causes that have operated against a progressive state of the arts in China. Thus,” he adds, “their knowledge in sculpture is still deficient in regard to form,

"attitude, and proportion. They have, indeed,
 "with the tool or chisel, the art of cutting stone,
 "wood, or ivory, remarkably sharp and clear;
 "but their productions are sometimes distorted,
 "and unnatural. The human figure is often out
 "of due proportion. Their aversion to anatomy
 "might partly be the cause. They do not succeed
 "better in the representation of a lion. There are
 "two large bronze figures of that animal on two
 "marble pedestals before one of the gateways
 "leading to the hall of audience at Yuen-min-
 "yuen. The metal had been cast in small
 "pieces, which are fitted together in a very in-
 "genious manner, tho there are at least a hun-
 "dred different pieces in each figure; but so
 "totally unlike are they to what they were in-
 "tended to represent, that they might almost
 "be mistaken for knights in armour, with pe-
 "riwigs such as were worn in the time of King
 "Charles."

The lion, however, may be considered as a
 creature of the imagination among the Chinese.
 It is not bred in the country. It has not been
 brought amongst them, either as a present to the
 sovereign, or as an object of curiosity to be shewn
 for profit. The statues of lions by Chinese were
 probably bad imitations of bad drawings of that

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animal, whose real superiority of strength and imputed generosity of disposition, have brought him into notice farther than he has travelled.

The larger and mightier animal, the elephant, is to be found, as an appendage of greatness, in the palaces of the Emperor, where it was no less acceptable for its qualities of docility and force, which rendered it capable of being useful, than for its vast size and singular make. It is the only quadruped that has a proboscis, tho examples of it are to be frequently found in the insect tribe, and among others, in the common fly alluded to sometimes as gaining a victory over that huge adversary.

Individual elephants of both sexes were brought to China from the neighbourhood of the Equator, and a few of them were bred to the northward of the Tropic: on which occasion they were discovered, however discreet in their amours, to unite in the manner of other quadrupeds, notwithstanding a formation apparently inconvenient on both sides, but which accommodates itself to particular purposes. The Chinese elephants are smaller than those of Cochin-China, and of a lighter hue. They are literally granivorous, being generally fed with rice and millet, tho the food of that animal in its wild

state, consists, like that of the giraffe, the camel, and the goat, more frequently of the tender leaves of trees and shrubs, than of the seeds or blades of corn or grass.

The officers of the household and other attendants in the Imperial palaces, are all, or most of them, persons who, before the age of puberty, were deprived of the means of becoming men, or who, since that period, have ceased being such. Nothing assuredly but the tortures of a maddening jealousy could have first suggested the idea of mutilating one sex, in order to render it an unsuspected guard upon the other; and nothing less than the extreme abuse of unlimited authority, could effectuate so cruel and unnatural a purpose. Other motives, however, might have come in addition to give occasion to the continuance and multiplication of such beings. No longer belonging to either sex, held in horror and contempt by both, without the possibility of offspring, unendearing and unendeared, and *like no brother*; they may be supposed to be the more bound by the factitious tie of servitude, and devoted and attached without reserve to the prince by whom they are employed. Menial servants in the beginning, and pretending to no importance, they are the ready and servile ministers to the potent-

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state's private pleasures and amusement, and creep gradually into familiarity and favour. From thence, as the annals of China in numberless instances testify, they have sometimes risen into situations of power and authority; in which once placed, they revenged themselves, as if it were on mankind, for the wrongs they had suffered in their persons; and were often the causes of calamities ending almost in the ruin of the state. They had been driven, with a few exceptions, from the court on several occasions. Near six thousand were dismissed in the minority of Caung-shee, grandfather of Chen-lung; but they have been gradually increasing since that period, and hold at present most of the inferior offices at least in the palaces of Peking and Yuen-min-yuen.

The qualification for such offices, consists in that operation, which in a few parts of Europe, is performed for meliorating the voice, and disqualifies for being a parent. But to be entrusted with the care of the ladies of the court, or to be allowed to approach to their apartments, it is necessary to be what, without reference to colour, the Turks are said to have termed a black eunuch, which means, that all traces of sex should completely be erased.

It may appear surprising to the English reader that the operations for this purpose, however delicate in themselves, are performed, even upon Chinese of an adult age, with little accident or peril in respect to life. Such a fact is the most extraordinary, as the art of surgery is so little known in China, that not even letting blood by opening a vein is attempted there, and anatomy is not only unknown, but held in horror. It is however, to be remarked that the Chinese recover from all kinds of accidents more rapidly, and after fewer symptoms of any kind of danger, than most people do in Europe. The constant and quick recovery from considerable and alarming wounds, has been observed likewise to take place among the natives of Hindostan. The European surgeons there, have often been surprised at the easy cure of sepoys in the English service, from accidents accounted extremely formidable. The clear and pure atmosphere of China and India may be indeed more favourable on such occasions, than the *cælum nebulis fædum* of Tacitus's description of Great Britain. But the habits of life contribute no doubt, most to determine the nature of the constitution; and its propensity to inflame and mortify in consequence, as it is technically expressed, of any solution of continuity. The

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Chinese and Hindoos are not generally prone to excesses of any kind. The Hindoos of the lowest and most numerous cast, are not, indeed, restricted from eating any kind of meat, excepting beef; but they and the Chinese consume a much smaller proportion of animal food, and drink a much less quantity of spirituous and fermented liquors than the people, at least, of northern Europe.

The operations undergone by eunuchs, are performed upon subjects of every age, from childhood to that of forty years. It is supposed that ligatures, anointed with a caustic liquid, are mostly used on this occasion in preference to the knife. The patient has been often found to walk abroad in the course of not many days, apparently as well in health as if nothing had happened to him. When an adult is thus transformed into a black or complete eunuch, it generally happens, that his beard soon begins, and gradually continues, to fall off, until none at length is left. He becomes withered in the same proportion, and in a few years his face is furrowed like the *wrinkled hag with age grown double*. This description agrees with that of Chrysostom, who observes, that "when the paint was washed away from the face of Eutropius (the eunuch), it appeared more ugly and wrinkled than that of an

"old woman." Claudian remarks, indeed, that there is scarcely any interval between the youth and decrepitude of such persons. The principal attendant upon the ladies of Yuen-min-yuen, seemed to be sensible of this fact. Tho he was under thirty years of age, he never made his appearance without his face being entirely painted; his person, as it were, made up; and his dress altogether gaudy; and adorned with several trinkets and tassels at his girdle. He was at least six feet high, and very lusty; but ill made, and loosely put together. A girl's voice could scarcely be more shrill or feeble.

If a man wishes to emerge out of the plebeian rank, and submits to become a eunuch, he is received in one of the palaces immediately, and promoted to some employment in it, which gives him the advantages and importance of a gentleman. It detracts nothing from his title, whether he carries a besom, or a bunch of keys. Very few, however, are dignified with a ball upon the cap, which is more properly the badge of office of the civil and military mandarines.

The influence of those mutilated inmates of the palace, is often much greater than their acknowledged authority; and mandarines of eminence who had disoblighd them, have been known

to be disgraced through their insinuations. Conscious how much may sometimes depend upon their tales and representations in the intercourse of their familiar services with the sovereign their master, they carry their effrontery even to the degree of treating with indignity, some of the branches of his own family. A prince, about eighteen years of age, a grandson of the Emperor, was once among the visitors to view the presents brought from England, when a eunuch actually pushed him out of doors, saying, it was fitter for him to be at school, than idling in that hall.

A school, it seems, is kept in the palace for those princes, at which they are principally instructed in the Chinese and Man-choo Tartar languages, and also in the history, rites and ceremonies of both countries.

It is supposed, that the occupation of the eunuchs in the interior of the palace has much decreased with the Emperor's advanced age. The acknowledged Empress has been dead some time, and his Imperial Majesty treated very slightly a ridiculous proposition made to him to marry again, after her decease. Several of the female companions of his youth were understood to be now no more.

At the death of an emperor, all his women

are said to be removed to a particular building within the walls of the palace, where they continue for the rest of their days, secluded from the world. This building is termed the Palace of Chastity.

There are, in China, a few instances of Pagan nuns, who make a vow of remaining virgins; for which, tho contrary to the general maxims both of policy and morality in that state, they, however, are admired, as is usual for a perseverance in successful efforts for the accomplishment of any thing very difficult.

On the accession of a new emperor, the principal persons of the country are said to bring their daughters to the palace for his choice. They who are accepted, reflect no slight honour as well as credit upon their families. Beside those selected for his Imperial Majesty, others are presented as wives or concubines to the princes of his blood. Concubines in China are considered in the same light as the handmaids of the Scriptures.

The missionaries about the palace, who are well aware of the precariousness of their condition in it, and how easily alarms may be sounded against men aiming at changing the religion and opinions of the empire, are more apprehensive of displeasing a eunuch, than a mandarine; the for-

mer being of a disposition more insolent and capricious, and more subject to the meaner passions of malice and revenge. Every missionary endeavours to continue in the good graces of all persons of the Imperial family, and others about the court, by much humility of demeanour, by rendering little services to them in the exercise of the arts which he professes, and sometimes by presenting to them any European article in his possession, for which they may conceive a fancy; and to which is always added, the expression of his humble thanks for the honour done him in accepting it. The missionaries generally speak upon their knees to the princes of the blood.

Some missionaries constantly attended the gentlemen who directed the arrangement of the presents at Yuen-min-yuen, in order to serve as interpreters, and to be instructed in the nature and use of the instruments deposited there.

Those gentlemen were very handsomely treated in the palace. A mandarine called upon them every day, to know if they were satisfied; and whether they wished to have any thing beside what had already been supplied to them.

One of them generally went to Peking three times a week. A one-horse chaise was always ready for him. Sometimes he was accompanied

by a mandarine with his servant ; but he was frequently suffered to go alone. Every morning he received a message, to know whether he chose to go that day *to the city*.

The different machines and instruments being, at length, mounted and put in proper order, and, together with other presents, arranged to the best advantage, in different parts of the hall of audience, and on both sides of the throne, every person belonging to the Embassy, then at Yuen-min-yuen, was ready to return from thence ; when it occurred to the principal eunuch of that palace, to declare that an order was come from the Emperor to change the disposition of the presents, and to place them all at one end of the hall of audience, " that his Imperial Majesty might be able to " view them from the throne, without being at " the trouble of turning his head." Such was the motive alleged for this new arrangement. On account of which, as a matter of importance, the usual custom of suspending all kinds of work about any of the palaces, for three days before, and three days after, the Emperor's birthday, was ordered to be dispensed with.

Very shortly after the Ambassador's return to Peking, the Emperor's approach to Yuen-min-yuen was announced, with an intimation to his

Excellency, that it would be expected as the usual etiquette, that he should go some miles upon the road to meet his Imperial Majesty. The Ambassador was at this time considerably indisposed with the rheumatism, which indeed had frequently tormented him since his arrival in China. The mandarines, who perceived how much his Excellency suffered at the time, and how little qualified he was to make any unusual exertion, proposed to him, in order to divide the fatigue of the journey, to set out the evening previous to the Emperor's expected arrival, and to sleep that night at his old villa near Yuen-min-yuen, from whence he would have but a little way to go next morning. This plan rendered it practicable for the Ambassador to pay the intended compliment. He accordingly, with his usual suite of English and Chinese, slept at the villa the following night. The next morning, all were in motion before the rising of the sun. The went along a road, parallel to that which was exclusively intended for the Emperor's use. A shallow ditch divided the two roads. Both were illuminated by variegated lanterns, each suspended by the junction of three poles fixed triangularly into the ground. The party arrived within two hours at the place of general rendez-

vous. They were conducted into a spacious saloon, where refreshments were provided; after partaking of which, they proceeded to the spot where the Emperor was to pass, and could observe this mark of their respectful attention. Their station was upon a green bank to the left of the road. On each side of them, were a multitude of mandarines, guards, and standard bearers; many of the latter had their standards furled and laid across the Emperor's road, while waiting for his approach, as if to prevent any others from attempting to pass upon it. The way was lined with troops for several miles, as far, indeed, as the eye could reach. Close to the road, a tent was prepared for the Ambassador on account of his indisposition, that he might feel no inconvenience while waiting for his Imperial Majesty. Various squadrons of horse, with bowmen and their quivers, preceded the Emperor's approach. Soon afterwards a palanquin, or sedan chair, appeared, such as has been described in a former chapter, but covered with a bright yellow cloth, and adorned with windows of plate-glass. It was carried by eight bearers, while eight others walked close to them, in readiness to relieve the former. The chair was attended by a troop of horse in yellow uniforms, also by pikemen,

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standard, and shield bearers. In it was the Emperor. As soon as he perceived the Ambassador, he stopped to deliver a gracious message of civility for his Excellency; adding, that he desired him to retire without delay from the cold and damp of the morning, so unfavourable to the complaint with which he heard of his being affected.

Behind the chair, followed a two-wheel clumsy carriage without springs, not differing in construction from the common vehicles of the country, but covered with yellow cloth, and empty, as if intended to be used occasionally by the Emperor. When such a carriage is compared with the easy, light, and elegant chariots imported there as presents, it is not likely that any national prejudices will long resist a sense of such a superiority in comfort and convenience: and it may therefore happen, that English carriages will become in China an article of merchandise, as well as watches or broad cloth.

The Emperor's carriage was immediately followed by a chair containing the great Colao Ho-choong-taung. While his Imperial Majesty was engaged in sending across the ditch to the Ambassador, several mandarines leapt over it, and threw themselves upon their knees to pay

their obeisance to the Prime Minister. It was remarked that no other minister, nor any one of the Emperor's family, was in his immediate train, or even within sight. The distinction was no doubt the greater for him who was; or, perhaps, some circumstance of convenience then required, or accident occasioned, this separation of his Imperial Majesty from his other courtiers.

The Ambassador, whose excursion was of no service to him, returned without delay to Peking; while the Emperor pursued his route to Yuen-min-yuen. He was impatient to view the presents that the Ambassador had left there when he went to Zhe-hol. His Imperial Majesty examined them with an attention far exceeding that of a person who would think of "the trouble of turning his head to view them." He seemed, indeed, much gratified with the sight of most of them; and ordered silver to be distributed among the workmen who had been occupied in arranging them. Several of the instruments and machines were tried in his presence. Distant objects were observed through the telescope; and metals melted in the focus of Parker's great lens. It could scarcely escape the philosophical mind of his Imperial Majesty, that the same material, glass, was made to operate, by European in-

genuity, such various and extraordinary purposes. A model of the Royal Sovereign, a ship of war of a hundred and ten guns, attracted much of his notice. He made many inquiries from such of the gentlemen of the Embassy as were present, concerning the various parts of that model; and in general, indeed, about British shipping. But it was easy to perceive, that the interpreters found much difficulty in explaining many technical expressions; a circumstance which evidently abridged the number of his questions. Yet the curiosity testified by him on this occasion, and his condescension in conversation with private gentlemen, made it probable that a sense of the tedious and unsatisfactory intercourse, which is held through the means of an interpreter, prevented, more than either the etiquette of the court, or an indifference about Europe, any very frequent communication personally between the Emperor and the Ambassador.

What were, in fact, the interior sentiments at this period, of the former in relation to the latter or his nation, it was, in the situation of his Excellency, difficult for him to discover. He had, however, grounds for flattering himself, that the jealousy that had been conceived against the English, on occasion of their supposed interfe-

rence in the Thibet war, had, since the arrival of the Embassy, been gradually done away from the Imperial mind. The friends of the Ambassador were assured also, that the commander of the forces in that war, and who has since been defeated in another, was to be removed from the vice-royalty of Canton, where his avowed enmity to the name of an Englishman rendered him very unfit to preside over the British factory or people there. In other respects, it was probable enough that the Emperor might have fluctuated between the opposite representations made to him concerning the English. It was, however, the first time that any of them had ever appeared at his court. And it has been observed, that prejudices imbibed against the absent, are sometimes softened and gradually diminished by their presence. Friends had certainly risen up to them, among the great officers and mandarines, tho their exertions could only be occasional. Through their means, the Ambassador learnt that a council had been held to take into consideration the letter brought by him from the King of Great Britain, and the mode of proceeding proper to be used towards his subjects. To this council the Prime Minister, it was understood, had called the Thibet commander, and the

convicted Hoppo of Canton, to give their testimony and advice, on the ground of being competent to judge of the conduct and disposition of the foreigners trading to that port; but in fact, as was supposed, to strengthen the opinion of the Colao against the more favourable inclinations of the Emperor. Through the suggestions of such persons, there was little prospect of obtaining, at present, any particular advantage, had such been the immediate object of the Ambassador. He felt more forcibly the propriety of sending immediately to the Colao, the message alluded to in the beginning of this chapter, announcing his desire of asking the Emperor's leave to depart from Peking, soon after the Chinese new year, in February.

In lieu of an answer to this message, his Excellency received an invitation from the Colao, to call upon him at Yuen-min-yuen, where he had some English letters to deliver to him. This invitation being known throughout the Embassy, the pulse of every individual belonging to it beat high with expectation of hearing, at last, from their particular friends in England. Even they who were immediately engaged in the negotiation, suffered all political considerations to be suspended in their minds, and gave way to the

satisfaction that they took for granted, must await them at Yuen-min-yuen. When they arrived there, a few letters were delivered, indeed, in the English language, but written from Chu-san by persons on board the *Lion* and *Hindustan*. The principal mandarine of that place was actuated, it seems, by a natural impulse of propriety and civility, in forwarding in the Emperor's packets, letters addressed to persons visiting at his court. Other motives must have operated upon the mandarines at Canton, from whence the most interesting and important intelligence, as coming from Europe, was to be expected.

The jealousy which had taken possession of the Colao's mind, with regard to the designs of the English, rendered him anxious to know the contents of the letters from the Ambassador's correspondent at Chu-san, Sir Erasmus Gower. He was informed of the chief purport of them, which intimated the speedy intention of Sir Erasmus to sail from thence; but that the *Hindustan* could not depart till her commander had joined her. His Excellency then put freely the letters into the Colao's hands, in order to remove from his mind any doubt he might entertain of the exactness of the account given of them.

Ho-choong-taung seemed somewhat alarmed at

the intended departure of the Lion, and said, that " he hoped that ship was not yet gone, but " would wait to carry back the Embassy; that " the Emperor, upon first hearing of the Embas- " sador's illness, and of the loss of some persons " of his suite, by death, since his arrival in Chi- " na, had remarked how much foreigners were " liable to suffer from the severe winters of Pe- " kin; and being apprehensive that the present " visitors would run great risks of injuring their " healths materially by continuing there, thought " it might be desirable for them to set out before " the rivers and canals were frozen, which some- " times took place very early, and on a sudden; " as the route by land was necessarily fatiguing " and inconvenient. The Colao added, on his " part, that as to the feast of the new year, for " which he supposed his Excellency might wish " to wait, it was nothing more than a repetition " of what he had seen already at Zhe-hol."

It was palpable enough, that other motives were covered under the affected solicitude for the health of the Embassy; yet it was necessary to reply upon the same tone, and to observe, that " the English being themselves natives of a cli- " mate more northern than that of Pekin, they " were less fearful of the effects of cold than other

“ foreigners might reasonably be; and that they
“ had taken precautions against any degree of it
“ to which that capital might be subject:” and
then passing to other considerations, the Embas-
sador observed “ how much he should regret to
“ quit so soon a court where he had been so
“ graciously received; that his Sovereign’s in-
“ tentions were, that he should continue long
“ enough, and at his (the King of England’s)
“ charge, to have frequent opportunities, of
“ which, a very few only had hitherto occurred,
“ of renewing his respects to his Imperial Maje-
“ sty, for the purpose of cultivating and cement-
“ ing a friendship between the two nations, thus
“ happily begun. With which view, likewise,
“ his master had instructed him to say how much
“ it would be pleasing to his Majesty, if the Em-
“ peror had found it consistent with the Chinese
“ customs, to send one or more of his subjects as
“ Embassadors to England; for whose going
“ and returning, his Majesty would take care
“ to provide proper ships; that he, the Colonel,
“ had, when at Zhe-hol, been so good to flatter
“ him with the hope of many meetings with
“ him, which, however anxiously he wished for,
“ his sudden departure would necessarily pre-
“ vent.”

His Excellency then endeavoured to explain in general terms, what he should have been most desirous of introducing into conversation at such meetings, excluding whatever might have carried the least appearance of complaint, and using every degree of caution and forbearance throughout, lest he should endanger the interests entrusted to his care, or weaken whatever impression his mission had already made in favour of his country.

The Colao preserved a perfect command over all his sentiments, and did not enter into any earnest discussion of the topics which had been mentioned; but reverting to the circumstance of the departure of the Embassy, concluded by saying, that "the Emperor was actuated in his proposal concerning it solely by his anxiety for its welfare; but that in every other respect its stay would be very agreeable to him." Nothing could be more gracious and flattering than the expressions which Ho-choong-taung used to the Ambassador from himself upon the occasion. The interpreter, tho a native of China, but not long accustomed to the appearances and language of his own court, concluded that it would be perfectly at his Excellency's option to continue as long as it might suit his purpose.

The Colao suffered the Ambassador to take leave of him for that time, without giving him the least intimation of the Emperor's answer to his Majesty's letter having been prepared, and intended to be delivered to him the next day, and which delivery is supposed to be meant as a signal for departure. Immediately, however, on his return to Pekin, he had information to that effect from a private hand: and in the afternoon, Chow-ta-zhin, and Van-ta-zhin, called upon him to mention that he was to have a message from Ho-choong-taung, to meet him the next day at the great palace of Pekin. They added, that they thought it probable, tho they affected to say that they were not certain, that the Emperor's letter to the King of England would then be presented to him; in which case, they advised him to ask permission to return with it to his Sovereign without delay. It was obvious that they had been directed to give such advice; and were indeed under a constraint unusual with them in their intercourse with the Ambassador, as well as in some depression of spirits, while they offered it.

Early the next morning the Legate waited on his Excellency to acquaint him that the Colao wished to see him at the great hall of audience.

in the palace of Pekin, as soon as he could get ready.

The Ambassador, however indisposed at the time, was unwilling to fail to the appointment, and set out properly attended in a short time to the palace, to which he passed through a considerable part of the Tartar city. The palace is encompassed by a high wall, within which he was conducted through spacious courts, along canals of stagnant water, and over bridges of granite, with balustrades of marble, to the foot of the hall, where he found the Emperor's answer contained in a large roll covered with yellow silk, and placed in a chair of state hung with curtains of the same colour. It was afterwards carried in form up the middle of three flights of stairs; while the Colao and others who had hitherto stood by it, and the Ambassador and his suite, went up the side steps to the hall: a single structure surrounded by many others, itself of great size and magnificence, tho built of wood upon a foundation of granite, and decorated within side and without, with gilding, and in the happiest disposition of the most pleasing and vivid colours. The answer was placed in the midst of the hall, from whence it was afterwards to be sent to his Excellency's hôtel.

The contents of the answer were not announced; but whatever of grace or favour it might contain, was probably not owing to the Colao or his associates, whose stedfast refusal of the gifts usual from foreign ministers, was a sufficient indication, according to Eastern manners, of their adverse sentiments. In conversing, however, with Ho-choong-taung on the points desirable to be obtained for the English East India Company in China, he required a brief abstract of them to be made out, which without binding himself to support, he said should be taken into immediate consideration. It was some advantage at least, that the demands themselves should be known, and serve as answers to the assertions so often made at court, that foreigners, however undeserving, had nothing to wish for at Canton, that justice or humanity required; but that the Embassy was intended to forward some purposes inimical to the government. His Excellency, therefore, undertook to transmit a statement of those demands without delay.

In the mean time, it seemed to be part of the intended ceremony of the day, to display the beauties of the palace to the Ambassador, which the Colao was proceeding to do with the same politeness he had done in the gardens of Zhong

hol; but his Excellency's indisposition obliging him to retire, he left the Minister Plenipotentiary, and other gentlemen of the Embassy to accompany the Colao through a great number of separate edifices, erected on a regular plan, and upon a similar construction with those they had already seen in the Imperial palaces, but upon a larger scale, and in a higher style of magnificence. They were all intended for public occasions and appearance. The Emperor's private apartments were pointed out at a distance in the interior palace.

The same evening, the Emperor's answer to the King's letter was brought in state to the Ambassador's hôtel. At this time came likewise several chests of presents from the Emperor to his Majesty, containing specimens, no doubt, of the best kind, of the different articles of the produce and manufactures of the empire. Other presents came also for the Ambassador and all the persons of his suite; and the attention of his Imperial Majesty in giving some small token of his beneficence to the meanest servant who was present, was extended, even, to persons then absent, in the instance of all the common men as well as officers of the ships which had brought the Embassy to China.

Hitherto no positive direction had been given relative to his Excellency's departure; and it might be inferred from the last declaration made on the part of the Emperor at Yuen-min-yuen, that recourse would not be had for that purpose, to absolute command; but it would be difficult, and perhaps useless, to stay against the Colao's inclination; yet the Ambassador had hitherto but very little time for advancing in the object of his mission; and he could not avoid wishing to persevere somewhat longer, in the hope of rendering the administration more generally propitious towards it. In these circumstances, the same friendly person who had given private intimation of the answer, and who was thoroughly acquainted with the court of Peking, and had some knowledge also of the increasing hardships of the trade and traders at Canton, suggested, that "the Chinese had no other idea of an Embassy, "than that of a visit with presents on some solemn festival, and to last only during the continuance of the latter; that accordingly, of the many embassies sent to them in the past and present century, none of them were suffered to pass that period; that in the present reign, the Ambassador of the Portuguese, the most favoured nation, was dismissed in thirty-nine

"days; that the Chinese had little notion of entering into treaties with foreign countries; but
"whatever business might be desirable to transact with them, must, after a favourable foundation for it, laid by the compliment of an Embassy, be afterwards prosecuted to effect
"by slow degrees, for that much might be obtained from them by time and management, but nothing suddenly. That it was true, the oppressions by the inferior officers and others who had to deal with strangers at Canton, had been augmenting gradually; and, unless curbed by power, must in the course of time become so heavy as to leave no alternative but that of giving up the trade entirely, or of sending at last an embassy to remonstrate against them; that the sooner, therefore, it had been undertaken, the better; that had the present arrived sooner, and before the troubles in France had indisposed the Chinese ministry and tribunals against the smallest innovation, it would have had fewer difficulties to encounter in the outset; but that the present mission had made such an impression throughout the empire, as must lead to beneficial consequences in favour of the English, notwithstanding any momentary obstructions; and that hencefor-

“ward the oppressions would at least be at a
 “stand; that such was the nature and practice of
 “the Chinese government, that however adverse
 “in the beginning to any new propositions, lest
 “it should be surprised into undue concessions,
 “or any improper regulation, the same matters
 “might be brought again, when the offensive
 “novelty of the idea was over, into a more seri-
 “ous and dispassionate consideration; that this
 “event might be accelerated by the means of let-
 “ters sent from one sovereign to the other by
 “the annual ships, which might be done with-
 “out impropriety, now that the communication
 “had been opened between them in a fit man-
 “ner.” He concluded by advising against per-
 sisting to continue any longer at Pekin.

An event, the news of which had just reached
 the Ambassador, but was then unknown to the
 adviser, came in aid of those reflections. One of
 the Neapolitan Chinese that left the Lion near
 Macao, after resuming his native dress, and com-
 ing to join his family in Pekin, conveyed to his
 Excellency a letter, dated in July, 1793, from
 one of the India Company's Commissioners at
 Canton, in which, mentioning the political events
 in England to the month of January of the same
 year, he said that there was the strongest proba-

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bility of an instant rupture with the republicans of France and Brabant. It appeared not unlikely, that a combination of foreigners under French or Flemish colours, might endeavour to intercept some of the British ships sailing from China separately home, if it should happen that a convoy could not arrive in time to conduct them together back in safety. Under such circumstances, the Ambassador could not render any service more immediately essential or acceptable, than by taking with him home, under convoy of the Lion, all the ships of the ensuing season from Canton. As the last vessels were seldom ready before March, he might, in the interval, have leisure to try in person if any thing could be done at Japan, if he should have the good fortune to overtake Sir Erasmus Gower at Chu-san; and this he thought not improbable, if the government would immediately dispatch a letter to Sir Erasmus, which the Colao's wish for the departure of the Embassy; might induce him to forward.

His Excellency determined, therefore, to announce to Ho-choong-taung, his intention of joining immediately Sir Erasmus Gower at Chu-san, and to request that a letter from him might

be forwarded to that commander without a moment's delay, as it otherwise might not overtake him.

This determination was indeed perfectly agreeable to the Colao, and every consideration proved the propriety of it. Chinese decorum required that the Embassy should cease with the receipt of the Emperor's answer, and of the *farewell* presents; nor could any personal communication afterwards take place with his Imperial Majesty. And it was as little consistent, with the dignity of the mission, to attempt continuing longer than it was felt to be perfectly acceptable, as for a common guest to remain beyond the time for which he had been invited, and was welcome. The intercourse with the Emperor, of which the supposed termination was the chief ground of the Ambassador's regret, was in fact maintained, as will appear in the subsequent pages, more intimately, and through a more favourable channel, than while he remained in the middle of the Imperial court.

So sudden a removal was a disappointment to several persons of the Embassy, who had made their arrangements for passing the winter at Peking. Judging of its temperature by the lati-

tude of the place, a few minutes under forty degrees north, they were not aware of the violent effect of the great range of high Tartarian mountains, covered perpetually with snow, upon that capital, where the average degree of Fahrenheit's thermometer, is under twenty in the night during the winter months, and even in the day time considerably below the freezing point. The usual inhabitants were guarded against cold, not only by habit but by an increase of clothing, in proportion to its intenseness, consisting of furs, woollen cloths, and quilted cotton. They are not accustomed to the presence of fire. They have no chimnies, except to kitchens in great hotels. Fires, on which Englishmen depend chiefly against suffering by the sharpness of the atmosphere, could not well answer that purpose in houses which are so constructed as to admit the external air almost on every side. Stoves are, however, common in large buildings. They are fed from without with fossil coal, found plentifully in the neighbourhood. Those stoves are placed frequently under the platforms on which the inhabitants sit in the day time, and rest at night. The worst weather experienced in that capital might be considered as mild by the Tartars, coming from a climate still more rude; but

other foreigners are said to feel themselves less comfortable at Pekin in the winter than summer, tho the heat there is then raised to the opposite extreme. In both they seem to require a *seasoning*. Several individuals of the Embassy fell ill during their stay; and all did not recover. The human frame seems better calculated for the hottest than the coldest atmosphere; and to exist at the Equator rather than at the Pole.

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CHAPTER III.

DEPARTURE FROM PEKIN. JOURNEY TO HAN-CHOO-
FOO, PARTLY UPON THE IMPERIAL CANAL.

THE resolution having been once formed by the Ambassador, of endeavouring to overtake the Lion at Chu-san, he became as anxious to set out from Peking, as he had been before desirous of protracting his stay in that capital. Another circumstance contributed also to precipitate his departure. The Pei-ho, and other smaller rivers in the north of China, are supplied partly by the melting of the snow in summer on the tops of the Tartarian mountains. While this operation of nature continues, the rivers are deep and fit for the purposes of navigation; but towards the end of autumn, when the sun's oblique rays fall with less effect upon the earth, and the melting ceases, those rivers become so extremely shallow as well as slow, that boats of convenient size can no longer pass upon them, even before the supervening frost imparts solidity to their diminished and sluggish waters. The mandarines who at-

tended the Embassy, and were aware of the extreme fatigue and inconvenience of travelling much by land in China, especially in winter, hurried every preparation in order to get upon the Pei-ho, while it was yet navigable. It was settled that the party should proceed to Han-choo-foo, the capital of the province of Che-kiang, of which Chu-san forms a part, where, if Sir Erasmus Gower should be still in waiting for the Ambassador, the latter might join him in a few days; and if otherwise, he might continue his route directly for Canton, and from thence to Europe. Chow-ta-zhin, and Van-ta-zhin, who were steadily attached to the Embassy, and on whom much of its comforts depended, were allowed, by his Excellency's desire, to accompany him throughout. He derived an advantage of still greater importance, from the very doubts and suspicions which the enemies of the English had inspired into the Colao's mind; and had even endeavoured to convey to that of his Imperial Majesty. It was thought, it seems, material, that a person in whom government placed the utmost confidence, should be appointed to accompany these suspected strangers in their long journey through the empire, in order to

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watch their conduct, and penetrate, if possible, their real character and designs. The choice fell upon the Colao Sun-ta-zhin, mentioned in a former chapter. As he had acquitted himself to the perfect satisfaction of the court, when sent to treat with the delegates from Russia on the frontiers, he was, no doubt, deemed the fittest for a confidential commission concerning other foreigners. He was of open and engaging manners, and not likely, at least, to adopt the passions or prejudices of the Legate. The selection of a man of such high dignity to accompany the Embassy, was considered by the Chinese as a mark of peculiar honour paid to it, and was indeed announced as such to his Excellency.

On the morning of the seventh of October, Ho-choong-taung with other Colaos, came to a pavilion within the gates of Pekin, to go through the ceremonies of parting with the Ambassador. Several gracious expressions were communicated to him on the part of his Imperial Majesty; and the full etiquette of Chinese civility was observed by the Ministers who represented him. They expressed their hope, that his Excellency was satisfied with the treatment the Embassy had hitherto received during its stay amongst them; and their assurances that nothing should be

wanting (as indeed nothing was,) to render his journey to the port of embarkation commodious and agreeable to him. Two tubes of bamboo wood covered with yellow cloth were placed upon a table, containing rolls of yellow paper resembling vellum, on one of which was written a list of the Imperial presents; and on the other, an answer to the demands which had been lately made by the Ambassador. Could any hope have been entertained that this answer contained a compliance with those demands, which neither the disposition of the men who had been consulted upon them, nor the suddenness with which they came to a determination concerning them, warranted, it must have been effectually done away by the silence, upon this subject, of Ho-choong-taung, who, had those answers been favourable, would have made a merit of communicating such acceptable intelligence. Both rolls were, in the Ambassador's presence, tied with yellow ribands behind the shoulders of a mandarine of the fifth order, he kneeling during the operation, to be afterwards carried by him on horseback, as far as the river on which his Excellency was to embark. Such is the distance between ranks in that country, that two Chinese companions of the Embassy, of no mean degree

took leave. The interpreter, Golao; Thibet his knee. After the Embassy of England the eastern towards the Pei-H. The v when the magnificent none of from the embled ever, was avenue. plying P many att or quitti cularly c that broad

took leave also of the Colao upon their knees. The interpreter, tho he had been announced as secretary to the Embassy for the Chinese language, was always obliged to stand before the Colao; and indeed the haughty General of the Thibet army once forced him to interpret upon his knees.

After parting with the Emperor's ministers, the Ambassador, attended by his former retinue of English and Chinese, passed through one of the eastern gates of Peking, where he was saluted with the usual honours, and proceeded directly towards Tong-choo-foo, in order to embark upon the Pei-ho.

The weather was now so much cooler than when the Embassy had passed before on the magnificent causeway leading from the capital, that none of the individuals belonging to it suffered from the pressure of the crowds which were assembled on it. The presence of strangers, however, was not necessary to fill constantly that great avenue. Beside the multitudes employed in supplying Peking, or drawing supplies from it, the many attendants upon men in office resorting to or quitting it, and the slow processions, particularly of funerals, occupy often the whole of that broad road. No person is allowed to be

buried within the city; and the ceremonies of interring the dead, seem to throng the gates as much as the supply of provisions for the living. Whatever be the rank or fortune of a Chinese in a private station, he makes habitually no parade or show, reserving his principal expense for solemn festivals, or particular events arising in his family. The loss of a parent, is, in the manners of the country, certainly the greatest. The sentiment of affection and respect toward such while living, is not suddenly extinguished in the breast of the survivors. The heart is indulged, and in some degree consoled, by paying superfluous devoirs to the manes of the deceased. The dictates of nature in this instance, are confirmed and enforced by the moral laws which govern the empire. Every institution tending to maintain the habits of duty on behalf of the offspring towards their progenitors, is sanctified into a precept not to be neglected but at the peril of being infamous. The first procession which was seen this day, commenced by several performers on solemn music. Then followed a variety of insignia, some of silken colours, and painted boards with devices and characters, displaying the rank and office of him who was no more. Immediately before the corpse, the male relations

walked, each supported by friends, occupied in preventing them from giving way to the excesses and extravagance of grief, to which the appearance of their countenances implied that they were prone. Over the mourners were carried umbrellas with deep curtains hanging from the edges. Several persons were employed to burn circular pieces of paper, covered chiefly with tin-foil, as they passed by burying grounds and temples. These pieces in the popular opinion, like the coin to Charon for being conveyed to the Elysian fields, are understood to be convertible in the next stage of existence, into the means of providing the necessaries of that new life. Notwithstanding the philosophical doctrines of the learned Chinese, which exclude all notions unconsonant to reason, as well as the reality of all beings not referable to the senses; they often yield, in practice, to the current notions of the weak and vulgar. The people, among other superstitions, are particularly scrupulous about the time and place of burying the dead. The delay occasioned before those difficult points are ascertained, has often long detained the coffins of the rich from their last repository; many are seen in houses and gardens under temporary roofs, to preserve them, in the mean time, from the weather; but necessity forces the poor to overcome

many of their scruples in this respect, and to deposite at once, and with little ceremony, the remains of their relations in their final abode.

However different be the sentiment which agitates the mind in the event of marriage, the celebration of it, ostentatious, indeed, and expensive, is yet inferior to that of funerals in the same rank of life. Its pomp was probably in the origin, suggested by the parents of the parties. They naturally wished to give dignity to a union of their choice. They wished to mark it with a solemnity tending to render the tie more sacred and more durable. But the impulse which unites the sexes, did not require the aid of public festivals. Mystery serves, on the contrary, to fan its flames, and is preferred for the solemnization of its rites.

The celibacy in either sex is not deemed a virtue by the Chinese, and constancy the only sort of chastity they recommend, yet the rules of exterior decency are guarded by the manners and sentiments of all persons of education and refinement. Whatever similitude may be observed between the paganism of China and that of its neighbour Hindostan, the former seems not to have borrowed from the latter, any of the obscene postures carved sometimes, as part of the original design, even on the outside of Indian

temples. One of the gentlemen of the Embassy had leisure, indeed, to examine a small open temple on one side of the causeway in returning now to Peking, which in the hurry of approaching to that capital he had overlooked. The figure he found in it, he conjectured to be intended to represent the lingam of the Hindoos, or heathen god of gardens. It was, however, only a simple short column supported upon the back of a rudely sculptured animal of the lizard kind, and the column was in all likelihood, meant merely to bear a monumental inscription in Chinese characters, which filled one face of it almost entirely. If, from the loose expressions familiarly introduced by some of the most elegant writers in antiquity, and from the indecent images discovered among ancient buildings, as for example, at Pompeia, as well as from some remains of obscene worship, in an obscure part of the same country, and the shameless practice of some distant savage tribes, it be inferred that decency is not a strong, innate, and necessary sentiment of nature, it must be acknowledged, that it is at least a happy artifice of society, not indeed precluding vice, but covering its exterior turpitude, and adding refinement and delicacy to natural enjoyments. And in this species of factitious virtue,

the Chinese have preceded, as well as surpassed, most other nations.

On the arrival of the Embassy at Tong-choo-foo, it was cheerfully received at the temple which had been, for a few days, its former residence; and was prepared a second time for its accommodation. The principal mandarines waited upon the Ambassador from Tong-choo-foo, which was illuminated in the evening with lights in decorated lanterns. Troops were already drawn out before the temple in various uniforms, some of them fanciful indeed and picturesque, but apparently, at least, more suitable for the stage than a field of battle. Quilted petticoats and jackets, and satin boots with thick soles of paper, have a mixture of clumsiness and effeminacy, seemingly little calculated for a military life; but this holy mansion was sufficiently safe, under the more powerful protection of the *Men-shin*, or guardian spirit of the place, of which the effigy, painted upon the outer gate, was supposed effectually to prevent the opposite spirit of evil from entering into it. Drawings of the same kind are, indeed, with a similar intention, pasted on the outer and inner doors of most of the private dwellings of the Chinese. The common people, conscious of the numerous ills

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to which they are liable, are disposed to seek for safeguards on every side. Their minds, once open to credulity, are ready to accept any supernatural assistance, offered to them by a new religion, against the violence of power, or the calamities of nature. Their own has nothing exclusive in it; and they would have embraced Christianity in greater numbers, if it could have been associated with other tenets. The Jesuits, who were desirous of permitting with it the ceremonies performed by the Chinese in the halls of their ancestors, would have been much more successful than their opponents who condemned them; to whom the principal subject of reproach from a pagan of China at present is, that "they neglect their forefathers." The offerings from flocks and herds, and likewise of fowls, of oil, salt, flour, and incense mentioned in the Levitical law, are known and observed by the Chinese. They have their Lares and Penates like the Romans, and in their observance and offerings on every new moon, recall the expression of the Latin poet:

"Cælo supinas si tuleris manus nascente luna."

With such a liberal disposition of mind towards all religions, it was not surprising that a

priest of another sect should have been a visitor at this time at the temple of Fo. He was a disciple of Lao-koun, whose original doctrines differed little from those of Epicurus. He maintained, that to live happily should be the chief object of man; and that indifference to events, was one of the principal means of attaining that end; that it was vain to reflect much upon the past, or to be solicitous about the future: the wisest occupation being to enjoy the fleeting moments as they pass. To such abstract maxims, which, were they true, could be scarcely practicable, the priests found themselves obliged, in order to have a hold upon the people, to add various practices and pretensions of a tendency directly contrary; such as the power of predicting events, and the suggestion of divers precautions against evil. These priests had their followers and their temples, and were known by exterior distinctions in their dress; but in other respects they were united with all other superstitions, against the simple and natural religion or moral reason of Confucius. Besides the deities formerly described in the temple of Tong-choo-foo, were observable, those of Peace and War, of Temperance and Voluptuousness, of Mirth and Melancholy, with female images of Fruitfulness and Pleasure. Before them were

placed one or more bronze vessels, in which the priests and devotees burn perfumed matches, and tinfoil paper.

While the gentlemen of the Embassy were, for the last time, examining the temple and visiting the city of Tong-choo-foo, their attendants, Chinese and English, were engaged in preparing all things for embarkation. The yachts were ready at the water side; and the Ambassador had the satisfaction of observing the same care and attention exerted in providing for his accommodation and that of his suite, down the river, which he had experienced in ascending it. As the presents made by his Imperial Majesty, were not of a nature to be so cumbersome, in the package, as those which had been brought to him, it took but little time to embark the whole baggage in the proper vessels. One vessel was taken up with the several parts, taken asunder, of his Excellency's carriages. One of them was an elegant state chariot, which, when he first understood that it was usual to make some offering to his Imperial Majesty on his own behalf, he intended for that purpose; and he inserted it accordingly in the list he delivered to the mandarines. Finding afterwards the propriety of presenting something with his own hands, he chose a pair of watches enriched

with diamonds. The chariot was, however, already at Yuen-min-yuen, which when the Emperor found out, he sent back with a civil message, as not accepting presents twice from any private hand. The Embassy was not detained above a day at Tong-choo-foo. The waters, indeed, of the Pei-ho were already low, and continuing to decrease. In a few days more, they were likely to be too shallow to float the yachts; and it would have been equally uncomfortable to travel by land, or in small or open boats.

The yachts, now used, were of a construction as light as possible, consistently with the convenience of the passengers. They had no upper range of apartments for the people, and admitted very little baggage below the floor. They were about seventy feet in length, and fifteen in width, flat bottomed, and drawing, scarcely ten inches water. Notwithstanding which, they were dragged by main strength over some shallows in the river, on the second day of the Embassy's embarking on it. Beside the cause of the diminution of the river, mentioned in the beginning of this chapter, another not so constant, contributed in this season towards it. The weather had been remarkably dry for some months past, not above a shower or two had fallen to supply the loss by evaporation

since the month of July. From that period it was rare to see a cloud. The time of harvest is so little subject here to rain, that the corn is frequently thrashed, or the straw separated from the grain, upon an open floor in the middle of the field in which it had been reaped. The thermometer of Fahrenheit, which in August was seldom under eighty-four, was now sometimes down to fifty degrees. The fields which had then been mostly covered with the kow-leang or lofty corn, exhibited now a crop of another species of millet. Its shorter stems interrupted less the prospect, which, as the travellers receded from the hills lying to the westward of Peking, was chiefly that of a level and fertile country, full of culture and of villages.

The Embassy had made very little progress, when Van-ta-zhin came to inform the Ambassador, that the Colao Sun-ta-zhin had just received a letter from the Emperor, of which he wished to communicate to him the contents. His Excellency perceived, at the same time, Sun-ta-zhin's yacht approaching very fast to him. The Ambassador determined to spare him the trouble of quitting his own vessel, and waited upon him immediately; and began by reminding this new companion of his travels, of the civilities received

from him at Poo-ta-la, and in the gardens of Zhe-hol; for which his Excellency renewed his acknowledgments; and then mentioned the happiness he felt at Sun-ta-zhin's appointment to do him the honour of accompanying him in the present journey. That Colao received the Ambassador with every mark of consideration, and expressed the highest satisfaction at having been chosen upon the present occasion. He then read some part of the Emperor's letter, the purport of which was, that "he (Sun-ta-zhin) should take the Embassy under his particular care, that every proper distinction should be shewn, and attention paid to the Ambassador and his suite in their route to Chu-san, and to see them safely embarked on board their ships; but that if those ships should be sailed from thence, to proceed in the same manner, and for the like purpose, to Canton." It was natural to suppose, that he would not communicate his private instructions, contained possibly in the same dispatch; but he said enough to show that his Excellency's letter to Sir Erasmus Gower to wait for the Embassy at Chu-san, had not been forwarded to him. The letter had been delivered open, written in the English language, to the Minister. The latter could find no person at Pekin not

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belonging to the Embassy, who could translate it for him. Tho every circumstance rendered it probable, that the contents of that letter were such as the Ambassador had stated to him; and that it was difficult to divine what improper intelligence could at that period be conveyed, or dangerous direction given, to Sir Erasmus Gower; yet such were the suspicions of that Colao, in relation to it, that he had hitherto kept it back. Sun-ta-zhin was, however, soon convinced of the genuine explanation which the Ambassador gave him of the letter, as well as of the necessity of its dispatch; and undertook to write to his Imperial Majesty, to have it forwarded without any further delay. Soon afterwards, his Excellency took leave and went back to his yacht, where, in half an hour, Sun-ta-zhin returned his visit. The conversation here became less formal; finding, in the course of it that the Ambassador's residence had continued for three years in Russia, he appeared at a loss to guess what public business he could have occasion to transact there during so long a period. His surprise led to an explanation of the customs of European nations with regard to their mutual intercourse, for which purpose the respective sovereigns usually kept ambassadors habitually residing at each other's courts; by whose means

reciprocal friendship was maintained, and jealousies, likely otherwise to arise from accidental misunderstandings, were effectually prevented.

Sun-ta-zhin seemed no less actuated by personal curiosity in his questions, than by the desire of communicating to the Emperor every information relative to the English, and other nations of Europe trading to China, which he could collect in his conversation with the Ambassador. It was apparent how much the Embassy occupied the attention of his Imperial Majesty, from the daily correspondence he held concerning it. And his Excellency easily perceived that he was advancing more in the real object of his mission, that of removing the prejudices of the Chinese government against the English, by conversing in fact familiarly through so liberal a channel with his Imperial Majesty, than his constrained intercourse had permitted during his residence at court. Those mutual visits were repeated frequently. The respective yachts, upon a signal, approached, and grappling each other, the parties stepped at once from one vessel to the other. Often at their meetings, Sun-ta-zhin read paragraphs taken from the Emperor's dispatches to him, containing some gracious expressions towards his Excellency and those of his suite, occasioned by the

reports he had made of their conduct and disposition. The picture probably given of their manners by the former Legate, having been once discovered by Sun-ta-zhin to be distorted and unjust, the disgust he felt at such a misrepresentation, was sufficient to incline a mind like his, to be, at least, as favourable in the account he transmitted of them as could be consistent with his own observation and opinion. Besides the natural liberality of his disposition, his taste for literature contributed, nodoubt, to correct any narrow or national prejudice which he might originally have imbibed from the nature of his education, and the maxims and opinions of those with whom he lived. He was stored with whatever knowledge Chinese or Manchoo-Tartar books could furnish. He was the only mandarine, among those whom the Ambassador had an opportunity of knowing, who travelled with a library. He was courteous in his manners; tho he still thought it necessary to be tenacious of the privileges attached to the rank he filled. He was not only a Calao, but was honoured with the yellow mantle, covering, like a spencer, his other garments. Such a mantle is the highest distinction at present known in China; and imprints,

as it were, somewhat of a sacred character on the wearer. The order of the clergy at Zhe-hol, to whom nothing could communicate respect, while to ignorance and poverty they added meanness and irregularity of conduct, derive no credit from being clad entirely in that colour: but a part only procures for a layman, the awe and consideration of all ranks.

Chow-ta-zhin and Van-ta-zhin, tho enjoying the appellation of *great men*, avoided meeting the Ambassador in his visits to Sun-ta-zhin, as they should be obliged to stand in his presence; and the interpreter once venturing to sit down before him, was called quickly by him to his duty. The inferior mandarines and guards attendant upon the Embassy, no longer attempted, as when under the direction of the Legate, to constrain the gentlemen of the Embassy in their excursions upon shore. The latter took care themselves neither to act indiscreetly, nor to delay the progress of the yachts. The country from Tong-choo-foo as far as Tien-sing, was indeed, not new to them; tho the difference of the season and culture, had altered in some degree its aspect. The fields were parched by the long continuance of the drought; but, as in many places the bed of the river had been raised above the adjoining grounds

by the gradual accumulation of soil upon its bottom, and by the accession of new mounds to prevent its inundation, those grounds were watered with little difficulty or labour, through sluices made from it as from an elevated canal. Where the river was upon a level with the adjacent country, a more operose method of irrigation was sometimes practised by the neighbouring cultivators. Two of them stood opposite to each other on two projecting banks, holding ropes fixed to a basket, which swinging to and fro for a considerable time, they gave it a velocity that aided them in throwing the water into a reservoir dug near the river's bank; from whence it was communicated where wanted, by small channels. Sometimes a long pole, unequally divided in its length, is made to turn on a pivot across an upright post. A bucket fixed to the end of the shorter lever, is easily lowered into the river, and which, when filled, a small power applied to the extremity of the longer lever, will be sufficient to raise and pour its contents into the reservoir, notwithstanding the weight of water.

The inhabitants along the Pei-ho bore strong marks of poverty in their dwellings and apparel; but their general cheerfulness testified that they were not pinched for the absolute necessities of

life; and that they did not consider their condition as the consequence of any particular act of injustice done them; under a sense of which, men are seldom tranquil. Nor was their poverty owing to the barrenness of their lands, which, their industry fertilized; but human population was too crowded to admit such a portion of ground to each family as could supply all the comforts of life. Little of it was reserved for rearing other animals, from a conviction, no doubt, of what is asserted to be true by Adam Smith, that "a corn field of moderate fertility, produces a much greater quantity of food for man, than the best pasture of equal extent; for tho its cultivation requires much more labour, yet the surplus that remains after replacing the seed, and maintaining all that labour, is likewise much greater." On some small spots a few sheep are fed. A much greater number are brought from Tartary, as well as larger cattle. Such of the latter as are kept in China, have scarcely any other provender than the straw of corn cut small like chaff. A very scanty proportion of animal food serves as a relish to the vegetable diet of the common people. Milk, cheese, and butter, the principal resources of pastoral life are little known to the Chinese; and when it was found that the gentle-

men of the Embassy wished to be supplied with the first of those articles, it was necessary to take some pains to find out a person who understood the management of cows; and who, with two of those animals, were put into a barge, with proper nourishment, in order to accompany the yachts upon the water.

At this season, much of the crop of *kow-leang* was already off the ground. The first operation afterwards, of the husbandmen, is to dig up the roots with hoes; and, as in all undertakings, the Chinese are strictly methodical, and practically feel the advantages accruing from the division of labour, the task is performed agreeably to the following regular arrangement. One man advances in a straight line, and strikes up a row of stubble on each side of him with his hoe. A second follows to beat off the earth that adheres to them, and lays them afterwards in little bundles; while a third breaks up the ground between the rows. A single buffalo is found then sufficient to draw the plough through it. The bundles of stubble are sometimes burnt upon the ground, and the ashes strewed over the surface. Sometimes when fuel is scarce, they are carried home and used for that purpose.

The ground being in a constant state of tillage,

ploughs of the most simple construction are found adequate to every purpose required from such an instrument. Where the ground is particularly light, men and women yoked to the plough, are able to draw it through the soil. A couler is unnecessary to such a plough, as there is no turf to cut through. The share that opens the ground terminates in a curve, which answers the purpose of a mould-board to turn back the earth. This part is sometimes made of iron, and frequently of that timber which, on account of its hardness, is called iron wood.

In three days the yachts arrived at the spot where they met the tide; the ebb of which, aiding the current of the river, brought them in another day to Tien-sing. Here the Legate, who had hitherto travelled with the Embassy, but who being awed by the presence of Sun-ta-zhin, assumed no authority in the conduct of it, finally parted from it, or rather disappeared without taking leave, or putting himself in the way of receiving from those who belonged to it, any acknowledgments for services which he was conscious he had not rendered.

Here too, the Embassy entered upon a new route. Instead of proceeding upon the lower branch of the Pei-ho to the sea, they turned to

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the right and to the southward; and passing by the mouth of the river When-ho, which, like the Pei ho, flows from the hills of Tartary, and falls into the great bason at Tien-sing; they spent three hours in getting through the multitude of junks which were lying on it, and ascended the river already mentioned of Yun-leang-ho, upon the margins of which, the suburbs of the *heavenly city* extended for a considerable way. Upon its banks was erected a temporary building, for the reception of the Ambassador, with a decorated landing place, and triumphal gateway; and an entertainment of confectionary and fruits was provided for him. The crowds of spectators were as great as when he first passed through Tien-sing.

Behind the city and suburbs extends a sandy plain, as far as the eye could reach, covered with small tombs, of which the number was incalculable. It was the public burying ground of which the limits were so wide, owing to that respect paid to the dead by the Chinese, which prevents them from opening a new grave upon any spot where the traces of a former one remained upon the surface.

The stream of the Yun-leang-ho, which likewise bears the name of Eu-ho, or precious river,

was confined near Tien-sing between two artificial banks thrown up to a considerable height, and sloped down to the water's edge in the manner of a glacis. The tops were converted into fine gravel-walks, shaded for many miles by rows of large willow trees, high poplars, and the quaking asp, interspersed with others bearing fruit, particularly of the plum kind. Along those banks, the country appeared cultivated as a garden, producing chiefly culinary vegetables.

The stream was here so strong, that it required, to stem it, eighteen to twenty trackers to each yacht; nor could their progress often exceed a mile an hour; but the beauty of the scene made some amends for the slowness of the motion. In other places the river widened to about eighty feet; and the current of the stream was more easily overcome.

It was a tradition prevalent among the sailors upon this river, and the inhabitants upon its shores, that its depth and width were once vastly greater than at present: a large branch from the Yellow river then falling through that channel into the wide bason of Tien-sing; whereas the whole of the great river now falls into the Yellow sea, at a distance of more than an hundred miles from the present spot.

At every interval of a few miles, are military posts, at each of which soldiers are stationed to protect the internal commerce of the provinces, as well as travellers, from pirates and robbers. A Chinese soldier wears his sword on the left side, but with the point bending forwards: and he draws it with the right hand turned behind him.

The soil hereabouts is sandy, and in appearance dry; but it cannot be dug beyond a foot in depth, without finding water in abundance. Canals of different sizes are seen at short distances, either falling into the river, or branching from it into the country.

A remarkable difference took place hereabouts, between the height of the thermometer in the night, and that which was observed in the middle of the day. Sometimes it stood little above forty degrees of Fahrenheit's scale at sun-rise, and approached by noon to eighty. Those vicissitudes began to affect the health of some persons of the Embassy; tho the illness of a few of the guard was, perhaps, chiefly owing to repletion and want of exercise.

In passing by some villages, several women were seen at their doors with rocks and reels employed in spinning cotton. Some also assisted in the harvest, who were little to be distinguished

from the men, by any delicacy of feature, or complexion. "The general character of the persons of those women," according to the observation of Mr. Hickey, who, in the course of his profession, had particularly studied the human form, "was the reverse of what is generally considered as elegant or beautiful. Their heads were large and round, and their stature low, apparently not above six lengths of the head. Their shape was wholly concealed from the neck downwards by loose dresses; they wore wide trousers from the waist to the small of the leg; and their feet and ankles were wrapped round with bandages." Those of a more elegant form were probably not employed in the rudest labours. A custom which is said to subsist in China, must render beauty rare in the lower classes of life. It is assured, that the young maidens distinguished by their faces or their figure, are taken or purchased from their parents at the age of fourteen, for the use of the powerful and opulent. Accident had thrown a few of these within view of the gentlemen of the Embassy, who considered them, from the fairness and delicacy of their complexions, and the beauty and regularity of their features, as entitled to admiration. Some of those who did not appear indis-

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criminally abroad, but whom curiosity impelled to quit their houses to see the extraordinary strangers pass, were sometimes hooted back by Chinese of the other sex, as if reproaching them for exposing themselves to the sight of the barbarians.

Mr. Hickey, to the circumstance of small eyes, attributed generally to the Chinese of both sexes, adds, that "most of the men had blunt noses turned upwards, high cheek-bones, and large lips, with complexions dark and muddy. Their hair was universally black, and so thick and strong that, comparatively, they liken the hair of Europeans to the pile or fur of the smaller animals. The Chinese often wear whiskers, and encourage the growth of a beard upon the chin, which is suffered to descend in straight lines."

At this season of harvest, an active cheerfulness seemed to pervade both sexes. They appeared to be sensible of labouring for their own profit. Many of the peasants are owners of the land they cultivate. There are no great and speculative farmers, aiming at monopoly or combination in the disposal of their produce, and overwhelming with their wealth the poorer husbandmen, till they reduce them at length to mere daily

labourers. The advantages resulting from the neighbourhood of the river, become some consolation for the occasional oppression of mandarines, in forcing frequently the peasants, at low rates, into the service of government, for the purpose of tracking upon its banks the public barges passing on it.

The river meandered through a richly cultivated plain, whose bounds are marked only by the horizon. The kow-leang and other species of millet, seemed still the principal articles of produce here, as upon the Pei-ho. The houses of almost every village are surrounded with a thick fence of the stems of the kow-leang, intended probably as a defence against the cold weather, now rapidly approaching, tho it was yet only in the middle of October.

Those villages are sometimes in size equal to a European city; but none of them are of note among the Chinese, unless walled round, and comprehended in one of the three orders of their cities.

Tho the progress of the yachts against the stream, was slow, half an hour seldom intervened without a town or village coming into sight. The walls of the village houses consisted mostly of indurated mud; or of masses of earth baked

imperfectly in the sun, or moulded between planks into the shape of walls, and bound together with them, until it had acquired sufficient hardness to support a roof; or of wicker-work, defended by a coating of adhesive clay. The roofs were covered generally with straw, rarely with green turf. The apartments are divided by lattice-work hung with broad paper, containing either the figures of deities, or columns of moral sentences. A court or vacant space around the house, is inclosed with wattles, or the stems of the *kow-leang*: the whole marked with an arrangement and neatness, implying the attentive industry of the occupiers, and sufficient to reconcile the beholders to the rudeness of the materials with which those dwellings were constructed.

The towns were surrounded with walls for the most part higher than the roofs of the houses they inclosed. The walls formed generally a square, and faced the four cardinal points. The gates were distinguished by the names of east, west, north, or south gate, according to the fact, engraved in stone over the entrance. The streets were for the most part narrow, nor were within the walls any wide openings or squares. Large edifices were few, and consecrated to public uses, or the residence of the principal persons in autho-

rity. The sumptuary laws of China regulate the dwellings as well as the apparel, of the opulent. It is a maxim of that state, far from being universally allowed elsewhere, that the more spacious the apartments of the rich, the more confined must be the cabins of the poor; and the more splendid the establishments of the former, the more miserable will be the condition of the latter, as the more labour is consumed in supplying the superfluities, the less remains for obtaining the necessities, of life. The houses were in general of simple construction, and in height one story. The foundations were of freestone or granite, drawn from the nearest mountains. The walls were generally built of bricks, of an earth selected with care, and burnt with culm or wood, in close kilns or ovens, as are the tiles which cover the roofs, in rows alternately concave and convex, and forming ridges and furrows, luted by a cement of clay. The timber used in building, is chiefly the larch fir, which is planted in situations on the mountains too cold or steep for other culture. The windows are small, and are of paper instead of glass. Very little iron is used, scarcely even a nail, in any of their buildings. The floors are not of planks, but of marble flags, or indurated earth. In elegant and public struc-

tures, a range of columns made of the entire trunks of the same kind of fir, run parallel to the outside walls, between which and the columns a gallery is thus formed. The body of the roof, in that case, rests upon the walls, and its projecting part only upon the columns. In particular buildings, the roofs are sometimes double or treble, at the distance of a few feet one above the other. All public buildings, and most palaces, have their chief doors and windows to the south. The principal edifices are a hall of audience, in which complaints are heard, and justice administered: a college for students, in which they are solemnly examined for degrees; temples for public worship of divers sects; granaries, in order to be provided against famine; and a public library. The ordinary houses advance to the streets without columns; instead of which, such as have shops hang out two tall poles, painted and gilt, and crossed with boards, to inform the lettered passenger, in large golden characters, and the unlearned, by figurative allusions, of the articles with which he might be supplied. Withinside, the ornaments are few, and the furniture simple. Every thing of wood is painted red and varnished. The main streets, and part of the suburbs of these towns, exhibited the agitation and activity

of commerce, partly occasioned by the proximity of the river, on which trading vessels were continually passing. Many also lay at anchor before the villages as well as towns.

Each town is supposed to be under the protection of certain stars or constellations, of which last the Chinese reckon twenty-eight; but they have, beside, a division of the stars answering to the signs of the zodiac, and which they call the twelve mansions of the sun. In a sky so clear as that which they enjoy, it is not surprising that, from the first dawn of civilized society, when as yet the fewer combinations of civil life, and a smaller population, gave less occupation to every individual; and sufficient subsistence was to be obtained with less pains of culture, he should employ some portion of his time in contemplating the brilliant luminaries above him. The Chinese did not borrow their knowledge of them from other nations, as appears from the names by which they are distinguished amongst them, and which bear analogy to customs and events in their own country. On some of their ancient coins are to be found the characters denoting the mansions of the sun. By dint of observation, they came to know in a little time the true number of days in a solar year, as well as other pe-

riods and phenomena of the heavens; but they quickly fell into the delusions of astrology, the magnificent prophecies and promises of which destroyed the taste for the patient labours and sober science of astronomy. Their astrologers pretend to foretell, and publish annually in almanacks, as do, indeed, those of Europe, every variation of the weather in the several seasons of the succeeding year; but the former mark, besides, the lucky and unlucky days for every possible human undertaking. The attachment of the people to such notions, is confirmed by every accidental coincidence of the prediction with the event; while the frequency of disappointment is considered as arguing only the ignorance of the practitioner, not the fallibility of the art. New and many oracles are consulted, in hope they may agree. And thus, what ought to put an end to the credulity of dupes to such impostures, serves only to increase the business of those who carry them on. It is the source of much emolument to them, as it is of expence and anxiety to their employers. It operates as a voluntary tax upon superstition.

No legal tax is imposed in China on the score of religion. Ceremonies are ordained by it, in

the performance of which some time is necessarily consumed, and sacrifices are required, which occasion expence, on the new and full moon; and in spring and autumn; and likewise in the beginning of the year. On the latter occasion, particularly, much dissipation takes place. Some good also is effected. Acquaintances renew their suspended intercourse; friends offended are reconciled; every thing dates as from a new era. The poorest cottager looks forward and prepares, during the preceding months, for an interval, however brief, of enjoying life, after having so long dragged on laboriously the burden of it; but, in the mean time, there are no fixed days or stated periods set apart to rest from labour. It must be concluded, that the habitual exertions of the people do not require relaxation frequently.

The Chinese are, perhaps, upon an average, better able to support moderate labour with little intermission than many of the lower classes in Europe. They are bred in better and sounder habits; and continue longer under the direction of their parents. They are, for the most part, sober; they marry early; they are less exposed to the temptations of debauchery; they are less liable

to contract diseases which corrupt the springs of life; their lives are more regular and uniform. It has been calculated, upon the authority of facts and observation, that notwithstanding the baneful luxuries in which the European rich indulge, and the disorders of repletion, inactivity, and vice, to which they are subject, the mean duration of their lives exceeds about ten years that of their inferiors, whom excessive fatigue had contributed to wear out before their time; whom poverty had deprived of the means of proportional comfort and subsistence; who were more exposed to the inclemencies of weather, and the accidents of life; and less guarded against their effects, as well as more liable to disease, with less leisure or means for cure.

The Chinese have no Sunday, nor even such a division as a week. The temples are, however, open every day for the visits of devotees. Persons of that description have, from time to time, made grants, tho to no great amount, for the maintenance of their clergy; but no lands are subject to ecclesiastical tithes. A land tax to government has been substituted, in the last reign, to a poll-tax, as better proportioned to the faculties of individuals. Most imports, and all luxuries, are like-

wise taxed; but the duty being added to the original price of the article, is seldom distinguished from it by the consumer. A transit duty is laid likewise on goods passing from one province to another. Each province in China, which may be compared to an European kingdom, is noted, chiefly, for the production of some particular article, the conveyance of which, to supply the demand for it in the others, raises this duty to a considerable sum, and forms the great internal commerce of the empire. Presents from the tributaries and subjects of the Emperor, and the confiscations of opulent criminals, are not overlooked in enumerating the resources of the public treasury. Taxes, such as upon rice, are received in kind. The several species of grain, on which many of the poorer classes of the people principally subsist, are exempted from taxation; so is wheat, to which rice is always preferred by the Chinese.

Near San-choo, in this part of the journey, wheat was perceived growing, for the first time in China, by the present travellers. It was about two inches above the ground: and, tho' on a dry sandy soil, where no rain had fallen for the three preceding months, it looked remark-

ably well. It was very neatly sown in drills, or dibbled, according to the method used of late in some parts of England. That of scattering the seed by the hand, called broad-cast, which, on a very few accidental occasions only, is ever practised by the Chinese, had been found by them to be attended with a considerable loss of seed, as well as with a diminution of the crop, which, when such a method is used, is too apt to grow in some spots in clusters, while in others the ground is scarcely covered. The drill method serves likewise to employ the women and children of the cultivator, in an employment requiring little strength. A gentleman of the Embassy calculated, that the saving of the seed alone, in China, in this drill husbandry, which would be lost in that of broad-cast, would be sufficient to maintain all the European subjects of Great Britain.

The Chinese never divide their fields into ridges and furrows, but plant their grain on an even surface. Whatever may be gained by draining off the rain by furrows in land entirely flat, it is an error to suppose that any increase of crop can be obtained in consequence of increasing the surface of the soil by turn-

ing the ridges in a curve, since no more plants, which rise perpendicularly from the ground, can be produced upon the curve, than from its base; and a loss is suffered also by the soil taken for the formation of such ridges from the furrows; in which the plants, whether of grain or grass, are generally thin, poor, and drooping.

The husbandman is not inattentive to the direction of the rows for setting or dibbling his grain, as may be, indeed, inferred from the solemn regulations made concerning the annual ceremony of the Emperor's act of husbandry in ploughing the ground. It is settled, that "he shall stand with his face turned towards the south, and taking hold of the plough with his right hand, he shall turn up a furrow in that direction." The best exposition, however, is likely to depend on local circumstances. In some parts of England it has been remarked, where ridges of a field were turned east and west, and laid down for grass, that the side exposed to the southward was invariably more green, better covered, and the grass in a more advanced state, than on the northern face of the ridge. Perhaps, upon trial, the direction of north-west and south-

east would be found there most eligible, as the keen and piercing winds that so much retard vegetation in Great Britain, scarcely ever blow from those quarters in the spring and summer months. The broad side of the outermost ridge being exposed to the north-east, from whence the cold and destructive winds proceed, would shelter in great measure, the interior part of the crop; whereas, when the rows happen to lie open to that point of the compass, those piercing winds find out channels to pass through every part of the crop, affecting the roots as well as the stems of the growing corn.

Beside the wheat flour for making the soft bread or cakes, by the means of steam, as mentioned in a former part of this work, much of it is used in forming the substance called in Europe vermicelli, much relished by the Chinese.

To each cottage is attached a small spot of ground for raising culinary vegetables; and about each are a few hogs and poultry, particularly ducks. The carcasses of many of the latter are spread out, salted and dried, and sent in this state as an article of commerce to many of the great cities. The art of hatching ducklings by artificial heat, has long been familiarly practised by this people.

They were not, indeed, taught by the ostrich leaving its eggs in the sand to be hatched by the sun, that bird not being known to be indigenous to China, but perhaps by the crocodile, small species of which are found in some of the southern rivers of the empire.

In this part of the country, near the fields of wheat, were several patches of buck-wheat now in full flower. The produce of this species of polygonum is applied to the same uses as other grain, and its flour is remarkably fine and white.

The gentlemen of the Embassy had in this tract, abundant leisure to make excursions upon land, as the boats were proceeding against the strong current of the river, the course of which was to the north-east. A sufficient number of men were impressed by the mandarines to track the boats; but the pay allowed by government was not adequate to the labour, and many of them withdrew from the task whenever they found an opportunity of escaping unperceived. It often happened that a set of trackers were exchanged in the night, that fresh might be surprised in their houses, and forced into the service. A superintendant, like a negro driver in the West Indies, marches generally behind

them with a whip, to quicken their pace, and prevent their desertion.

On the eighteenth of October the Embassy entered the province of Shan-tung. All its provincial attendants were then changed for others destined to attend it to Han-choo-foo. Two cities were passed in the course of the afternoon. Before each, as indeed before every town upon the river, a great number of junks and barges was observed at anchor.

This being the day of the full moon, the whole night was employed in religious ceremonies. Guns firing almost continually; bands of noisy music; striking of some hundred loos; fireworks letting off; and perfumed matches burning, were continued without intermission from midnight till the rising of the sun.

The province, in this part of it, appears a perfect level on both sides of the river. Here were seen growing, together with wheat and millet, a few fields of tobacco, but more of the annual cotton plant. The latter forms much of the cultivation of this and the adjoining southern province of Kiang-nan; nor is it neglected in those places to the northward, where the pods can be carried to perfection before the severe frosts set

in. It is not uncommon for the cultivator in those countries, to lop off the tops of the cotton leaves, in order to increase the number of pods, and hasten their production; in like manner as in the West Indies, experience has shewn that the flowers of the rose tree are accelerated and increased by whipping the branches of that shrub. A sufficient quantity of cotton is not produced in China for the consumption of the inhabitants, among the lower orders of which cotton cloth is universally worn by both sexes. The importation of that article from Bombay is very considerable. It is sold at Canton for dollars, which, in the circle of commerce, are given for bills of exchange upon England; and the dollars returned to the Chinese merchants for the teas, silk, and porcelain, exported from thence for Europe. Adjoining to the fields of cotton, are others cultivated with indigo, with whose blue dye, the cottons used for the common people are generally coloured throughout the empire.

On the twenty-second day of October, the yachts stopped before Lin-sin-choo, a city of the second order, near which stood a handsome pagoda of nine stories. These buildings are called by the natives, Ta, and are most numerous in

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hilly parts of the country, upon the summits of which they are frequently erected. They are generally from one hundred and twenty to one hundred and sixty feet high, which is equal to four or five of their diameters at the base; and consist mostly of an unequal number, five, seven, or nine galleries or stories, diminishing as they rise, with as many projecting roofs.

At Lin-sin-choo, the yachts quitted the Eubo, which, from its source on the westward, ran north-easterly to this place, and is here joined by the Imperial or grand canal, which is carried in a line directly south. This enterprise, the greatest and most ancient of its kind, which was found to extend from hence to Han-choo-foo, in an irregular line of about five hundred miles, not only through heights and over vallies, but across rivers and lakes, must have either begun or ended at Lin-sin-choo; and it is possible that the Ta, or pagoda just mentioned, the low situation of which precludes the idea of its having been intended either as a watch-tower or an obelisk, the supposed usual purposes of such structures, may have been meant to commemorate either the undertaking or the accomplishment of this canal, as a work of no less genius than national utility.

This great work differs much from the canals of Europe, which are generally protracted in straight lines within narrow bounds, and without a current; whereas that of China is winding often in its course, of unequal and sometimes considerable width, and its waters are seldom stagnant,

The ground which intervened between the bed of this artificial river and that of the Eu-ho, was cut down to the depth of about thirty feet, in order to permit the waters of the former to flow with a gentle current into the latter. Their descent is afterwards checked occasionally by flood-gates thrown across the canal wherever they were judged to be necessary, which was seldom the case so near as within a mile of each other, the current of the water being slow in most places. This canal has no locks, like those of Europe. The flood-gates are simple in their construction, easily managed, and kept in repair at a trifling expence. They consist merely of a few planks let down separately one upon another, by grooves cut into the sides of the two solid abutments or piers of stone that project, one from each bank, leaving a space in the middle just wide enough to admit a passage for the largest vessels employed upon the canal. As few parts of it are entirely

level, the use of those flood-gates, assisted by others cut through its banks, is to regulate the quantity of water in the canal. Some skill is required to be exerted, in order to direct the barges through them without accident. For this purpose an immense oar projects from the bow of the vessel, by which one of the crew conducts her with the greatest nicety. Men are also stationed on each pier with fenders, made of skins stuffed with hair, to prevent the effect of the vessels striking immediately against the stone, in their quick passage through the gates.

Light bridges of timber are thrown across those piers, which are easily withdrawn whenever vessels are about to pass underneath. The flood-gates are only opened at certain stated hours, when all the vessels collected near them in the interval, pass through them on paying a small toll, appropriated to the purpose of keeping in repair the flood-gates and banks of the canal. The loss of water occasioned by the opening of the flood-gates is not very considerable, the fall at each seldom being many inches; and which is soon supplied by streams conducted into the canal from the adjacent country on both sides. The fall is, however, sometimes above a foot, or two, when the distance between the flood-gates is considerable,

or the current rapid. The canal was traced often in the beds of ancient rivers, which it resembled in the irregularity of its depth, the sinuosity of its course, and the breadth of its surface, where not narrowed by a flood-gate. Wherever the circumstances of the adjacent country admitted the water in the canal to be maintained in a proper quantity, without any material deficiency or excess, by means of sluices managed in its sides, for the purpose of influx or discharge, as was the case farther to the southward, few flood-gates were necessary to be constructed; nor were there any where met above half a dozen in a day.

Before the Embassy had gone far from Lin-sin-choo, an affecting accident happened, of which it was innocently the cause. Several thousands of people had crowded down to the bank of the canal from the neighbouring towns and villages, to see the strangers pass. A great number of the former had taken stations on some large barges that were drawn up by the side of the canal. The projecting stern of one of these being overloaded by the crowd, broke down, with the wreck of which, several individuals unfortunately fell into the canal. The struggles and shrieks of those who were unable to swim, loud and violent as they were, did not appear to disturb the attention

of such of the spectators as were safe, from the passing spectacle; or to call any boats to the assistance of those who were in danger of being drowned. A single boat rowed towards the wreck, but seemed more eager to pick up the hat of one of the unfortunate wretches, who was thus in peril of becoming a victim to his curiosity, than to save the person of him who had worn it. However binding the ties, and warm the affections between kindred, are in China, sentiments of general humanity were not sufficiently awake in the breasts of the multitude then assembled, to create alarm, and absorb every other attention in the desire of procuring instantaneous assistance to the distressed; or to deter the most insensible from preferring, in so critical a moment, any paltry advantage to the preservation of a fellow-creature.

In the evening of the twenty-third of October, the yachts arrived at the city of Tong-whang-foo, part of the name of which seems to bear relation to the Yellow river, from which it now is distant, as if, in fact, in some of the former revolutions of that river, by art or accident, it had once approached that city.

Near its walls were ranged about three hundred soldiers, the usual number of men intended for every garrisoned town to salute the passage

of the Embassy. This circumstance happened here when it was already dark. Each private carried with him a lantern in his hand. The reflection of the lights through the different coloured muslins stretched in the lantern frames, produced a pleasing effect upon the water.

When a town happens to spread upon both sides of the canal, there soldiers are ranged on each of its opposite banks. In some instances where the Ambassador was expected to land, the soldiers went, at the word of command, upon their knees to receive him. Such a sight to a travelled European, seemed like that of pilgrims praying for benediction.

Hitherto, since the Embassy left Tien-sing, the whole of the country was a plain as extensive as the eye could reach, interspersed with towns, villages, and cottages, covered with cultivation; but not a single natural eminence to distinguish any part of it, nor was a stone of the smallest size to be found throughout the soil. It was a continuation of the low and level country of Pe-che-lee, produced, no doubt, by causes of a similar nature; and forming together a portion of the globe, differing in composition and appearance from most other parts of it.

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grounds and a hilly country to the eastward. Soon afterwards the tops of blue mountains were visible from the southwest. The eastern province of Shan-tung bears the name, according to the signification of the characters which compose it, of Eastern mountains. Indeed a range of granite hills, situate east and west from the promontory opposite Corea, as noticed in a former chapter, and proceeding through the greatest length of the province towards Pe-che-lee, until it sinks into a low and level surface, forms the grand and conspicuous feature of Shan-tung. These solid substances, at least, must have existed from the first formation of the globe; and if ever they alone had constituted an island separated only by a narrow channel from the continent, that channel must have been, in the lapse of time, filled up by the gradual deposition of earth carried from the tops and sides of those hills now left naked, and meeting with similar depositions on the other side, must have together formed the great and fertile plain which now exists there.

On the twenty-fifth of October the yachts arrived at the highest part of the canal, being two-fifths of its entire length. Here the river Luen, the largest by which the canal is fed, falls into it with a rapid stream in a line which is perpendi-

cular to the course of the canal. A strong bulwark of stone supports the opposite western bank: and the waters of the Luen striking with force against it, part of them follow the northern, and part the southern course of the canal. This circumstance not being generally explained or understood, gave the appearance of wonder to an assertion, that if a bundle of sticks be thrown into that part of the river, they would soon separate and take opposite directions.

It is, no doubt, from this elevated surface, that the author of this canal saw, with the comprehensive eye of genius, the possibility of forming this important communication between the different parts of the Chinese empire, by observing from thence the inclination of the ground to the north and south, and uniting the devious streams which descended from the heights on every side, into one great and useful channel: preventing by flood-gates occasionally dispersed upon it, any sudden and useless deperdition of its waters; and supplying the loss necessarily sustained, by opening such flood-gates for the passage of vessels through them, from the plentiful source of the Luen, situate higher than the highest part of the canal, and falling by proportionate divisions into its opposite branches. Near this spot is situate

anelegant gilt temple, called Luen-whang-miaw, or the yellow temple of the river Luen.

The Embassy had not proceeded far on the southern branch of the canal, when they arrived in the vicinity of the place where the Leu-tze, or famed fishing bird of China, is bred, and instructed in the art and practice of supplying its owner with fish in great abundance. It is a species of the pelican, resembling the common corvorant, but which, on a specimen being submitted to Doctor Shaw, he has distinguished in the following terms; "brown pelican or corvorant, with white throat, "the body whitish beneath and spotted with "brown, the tail rounded; and the irides blue; "the bill yellow."

On a large lake close to this part of the canal, and to the eastward of it, are thousands of small boats and rafts, built entirely for this species of fishery. On each boat or raft are ten or a dozen birds, which, at a signal from the owner, plunge into the water; and it is astonishing to see the enormous size of fish with which they return, grasped within their bills. They appeared to be so well trained, that it did not require either ring or cord about their throats to prevent them from swallowing any portion of their prey, except what the master was pleased to return to them

for encouragement and food. The boat used by these fishermen is of a remarkably light make, and is often carried to the lake, together with the fishing birds, by the men who are there to be supported by it.

On the western side of this lake, is a high and thick embankment of earth, which separates it from the canal, the surface of whose water is considerably higher than that of those which fill the lake. The quantity of earth for this embankment through the whole length of the lake, must have been indeed immense, and collected with vast labour and expence. These collections of earth were supported on each side by walls of stone; and to prevent the column of water in the canal from becoming too heavy for the embankment to support it, sluices are cut at certain distances, by which the superfluous water passes off, either immediately into the lake, or upon the low lands, and sometimes into ditches made into the middle of the embankment, to serve as reservoirs. This last contrivance seemed to imply some practical knowledge, at least, of hydrostatics. For the water in these ditches was generally kept at a mean height between the two surfaces of the canal and of the lake; or of the former and the low ground next to it; by which means the pressure

against the two banks is divided, requiring less resisting power in either. The column of water in the reservoir counteracts a column of equal height in the canal, and the depth of water in the lake destroying all the pressure of that in the reservoir not above the surface of the lake. The circumstance also of leaving a ditch in the embankment, occasioned a diminution of the quantity of earth to be collected from afar; for it appears in the jesuits' maps of the country, through which the canal passes, that a vast proportion of it had consisted of lakes and morasses, several parts of which appear to have been since reclaimed, and are now, as well as the upper surface of the embankment, regularly cultivated.

Several hundred acres of the ground, which still is swampy, and surrounds the lake, are covered with the *lien-wha*, or *nymphaea nelumbo* of Linnæus, already mentioned in this work. The Chinese have always held this plant in such high value, that at length they regarded it as sacred. That character, however, has not limited it to merely ornamental and useless purposes; for it is introduced among the articles of the table. Their ponds are generally covered with it, and exhibit a very beautiful appearance when in flower. The seeds are somewhat of the size and form of

an acorn, and of a taste more delicate than that of almonds. They are fixed by the lower extremity into the flat surface of a substance formed into the shape of a broad inverted cone. The roots are sliced, and in the summer served with ice. They are also laid up in salt and vinegar for the winter.

From this root, the Egyptians are supposed to have prepared their colocasia; but the plant is now no longer found in that country; from which circumstance some naturalists infer, that it never was indigenous there; but cultivated by the inhabitants with extreme care. The ancient Romans made repeated efforts to raise it amongst them, from seeds brought out of Egypt; and the modern attempts to cultivate it in Europe, tho with the assistance of artificial heat, seldom have succeeded. In China it often grows spontaneously, and is cultivated in the open air with ease, both by the seed and by the root. The Chinese distinguish many varieties of this species of the nymphæa.

The canal which had hitherto been embanked only on one of its sides, was now so on both; it was a curious spectacle, tho not without modern examples upon a smaller scale, to see a vast body of water, forced up by human skill and in-

dustry, into a narrow channel, several yards above its former bed, and flowing along in that dry state, till it finds a corresponding level at a considerable distance. The earthen embankments in this part of the canal, were supported by retaining walls of coarse grey marble, cut into large blocks, and cemented together with a kind of mortar. Those walls were about twelve feet in thickness; and the large stones on the top were bound together with clamps of iron. The canal was here, in fact, an aqueduct much elevated above the adjoining country, which, wherever it was dry, was crowded with villages. The grounds beneath are inundated during a considerable part of the year, and were cultivated in rice, whose stems shot above the water. Much of the low grounds in the middle and southern provinces of the empire are appropriated to the culture of that grain. It constitutes, in fact, the principal part of the food of all those inhabitants, who are not so indigent as to be forced to subsist on other and cheaper kinds of grain. A great proportion of the surface of the country is well adapted for the production of rice, which, from the time the seed is committed to the soil till the plant approaches to maturity, requires to be immersed in a sheet of water. Many and great rivers run

through the several provinces of China; the low grounds bordering on those rivers, are annually inundated, by which means is brought upon their surface a rich mud or mucilage that fertilizes the soil, in the same manner as Egypt receives its fecundative quality from the overflowing of the Nile. The periodical rains which fall near the sources of the Yellow and the Kiang rivers, not very far distant from those of the Ganges and the Burumpooter, among the mountains bounding India to the north, and China to the west, often swell those rivers to a prodigious height, tho not a drop of rain should have fallen on the plains through which they afterwards flow.

After the mud has lain some days upon the plains in China, preparations are made for planting them with rice. For this purpose, a small spot of ground is inclosed by a bank of clay; the earth is ploughed up; and an upright harrow with a row of wooden pins in the lower end, is drawn lightly over it by a buffalo. The grain which had previously been steeped in dung diluted with animal water, is then sown very thickly on it. A thin sheet of water is immediately brought over it either by channels leading to the spot from a source above it, or when below it, by means of a chain pump, of which the use is as familiar as

that of a hoe to every Chinese husbandman. In a few days the shoots appear above the water. In that interval, the remainder of the ground intended for cultivation, if stiff, is ploughed, the lumps broken by hoes, and the surface levelled by the harrow. As soon as the shoots have attained the height of six or seven inches, they are plucked up by the roots, the tops of the blades cut off, and each root is planted separately, sometimes in small furrows turned with the plough, and sometimes in holes made in rows by a drilling stick for that purpose. The roots are about half a foot asunder. Water is brought over them a second time. For the convenience of irrigation, and to regulate its proportion, the rice fields are subdivided by narrow ridges of clay, into small inclosures. Through a channel in each ridge, the water is conveyed at will to every subdivision of the field. As the rice approaches to maturity, the water by evaporation and absorption, disappears entirely; and the crop, when ripe, covers dry ground. The first crop or harvest, in the southern provinces particularly, happens towards the end of May or beginning of June. The instrument for reaping, is a small sickle, dentated like a saw, and crooked. Neither carts nor cattle are used to carry the sheaves off from the spot

where they were reaped; but they are placed regularly in frames, two of which, suspended at the extremities of a bamboo pole, are carried across the shoulders of a man, to the place intended for disengaging the grain from the stems which had supported it. This operation is performed not only by a flail, as is customary in Europe, or by cattle treading the corn in the manner of other Orientalists, but sometimes also by striking it against a plank set upon its edge, or beating it against the side of a large tub scolloped for that purpose; the back and sides being much higher than the front, to prevent the grain from being dispersed. After being winnowed it is carried to the granary.

To remove the skin or husk of rice, a large strong earthen vessel, or hollow stone, in form somewhat like that which is used elsewhere for filtering water, is fixed firmly in the ground, and the grain, placed in it, is struck with a conical stone fixed to the extremity of a lever, and cleared, sometimes indeed imperfectly, from the husk. The stone is worked frequently by a person treading upon the end of the lever. The same object is attained also by passing the grain between two flat stones of a circular form, the upper of which turns round upon the other, but at such a dis-

ance from it as not to break the intermediate grain. The operation is performed on a larger scale in mills turned by water: the axis of the wheel carrying several arms, which by striking upon the ends of levers, raise them in the same manner as is done by treading on them. Sometimes twenty of these levers are worked at once. The straw from which the grain has been disengaged is cut chiefly into chaff, to serve as provender for the very few cattle employed in Chinese husbandry. The labour of the first crop being finished, the ground is immediately prepared for the reception of fresh seeds. The first operation undertaken, is that of pulling up the stubble, collecting it into small heaps, which are burnt and the ashes scattered upon the field. The former processes are afterwards renewed. The second crop is generally ripe late in October or early in November. The grain is treated as before; but the stubble is no longer burnt. It is turned under with the plough and left to putrefy in the earth. This, with the slime brought upon the ground by irrigation, are the only manures usually employed in the culture of rice. Lands thus fertilized by the overflowing of the tide in the proximity of the sea, or of rivers, or canals, are not appropriated solely to the production of rice. They

are found equally suitable for raising an excellent crop of sugar canes, with the precaution only of keeping off the water after the young canes appear above the surface.

Satisfied with two crops of rice or one of sugar in the year, the Chinese husbandman generally suffers the land to remain at rest till the following spring, when the same process is repeated. And thus, from generation to generation, successive crops are raised from the same soil, without the least idea of any necessity to let the earth lie fallow or idle for a year.

The great elevation of the canal, in the part of it over which the yachts were now passing, permitted through its banks, a number of sluices turned upon stone arches, to let off the superfluous water into the morasses close to it; but the situation which soon followed, was directly the reverse. There was no hill or sudden rise in the appearance of the country; it was still a plain surface to the eye; but it had gradually risen so much above its former level, that the canal was cut down twenty feet at least below the adjoining grounds.

The water lost in this part of it was made up by supplies from the extensive lake of Wei-chaung-hoo adjoining it, which divides the pro-

vince of Shan-tung from that of Kiang-nan.

The situation reminded the Ambassador of the great canal of Russia; with which he was well acquainted. This ran in like manner, at certain distances, parallel to the lake Ladoga, from which it was separated by vast earthen embankments, but was occasionally supplied from it.

The prospect of the lake of Wee-chaung-hoo, from the rising ground, was delightful in the morning at sun-rise; exhibiting to advantage its borders fringed with wood houses and pagodas on the sloping grounds behind, and the surface of the water almost covered with vessels crossing in different directions, and by all the various modes of navigation that poles, paddles, oars, and sails, could furnish. Fishing forms a considerable part of the occupation of the people upon this lake. Various methods were employed for that purpose, of which that by nets was perhaps the most general. Another method is more singular; to one side of a boat a flat board, painted white, is fixed, at an angle of about forty-five degrees, the edge inclining towards the water. On moonlight nights, the boat is so placed that the painted board is turned to the moon, from whence the rays of light striking on the whitened surface, give to it the appearance of moving

water, on which the fish being tempted to leap as on their element, the boatmen raising with a string the board, turn the fish into the boat. Every successful method of catching fish is followed with avidity by the Chinese, to make up for the scarcity of the flesh of quadrupeds. The larger kind of the latter, the common people have little opportunity of ever tasting, unless of such as die by accident or disease. In such cases, the appetite of a Chinese surmounts all scruple; whether it be an ox or camel, a sheep or ass, it is equally acceptable. This people know no distinction of clean and unclean meat. The Chinese can easily conceive the horror or disgust which a nation, subsisting constantly on a vegetable diet, must feel at first upon the proposal of destroying any sensitive being, for the purpose of gorging upon its vitals; but when once reconciled to such a deed, they reckon the preference given to one species of animal before another, as little more than a matter of taste or fancy. Quadrupeds that can find some resources for subsistence about dwelling-houses, such as hogs and dogs, are the most common animal food, and are sold at the public markets.

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nature to satisfy their appetites. And even the vermin that prey upon uncleanly persons, have been known to serve as a prey in their turn to them.

Water fowl are much sought after; and are taken upon the Wee-chaung-hoo lake by a particular device. Empty jars or gourds are suffered to float about upon the water, that such objects may become familiar to the birds. The fisherman then wades into the lake with one of those empty vessels upon his head, and walks gently towards a bird; and lifting up his arm, draws it down below the surface of the water, without any disturbance or giving alarm to the rest, several of whom he treats in the same manner, until he fills the bag he had brought to hold his prey. The contrivance itself is not so singular, as it is that the same exactly should have occurred in the new continent, as Ulloa asserts, to the natives of Carthagena, upon the lake Cienega de Tesias.

Individuals often earn a livelihood in China by means which would not answer to be adopted on a larger scale, or with a view to acquire considerable profit. But such men have no conception of any thing beyond a moderate subsistence. The spirit of gain, by working on an extensive plan, and by new methods, for supplying multitudes

with a particular article, is not prevalent among the Chinese, unless in large or maritime towns. Some there are, however, in almost every village, who seek to accumulate wealth by taking advantage of the wants of the people round them. Shops for lending money upon pledges, are common every where. Very high interest upon loans is allowed by law. The practice of such loans implies certainly great improvidence in the multitude, or great uncertainty in the success of their pursuits. The facility of culture, and the abundance of the crops, when no calamity intervenes, enable them in many places to bear such burdens, tho often in a very impoverished condition.

In some parts adjoining to the canal, the lakes and morasses rendered cultivation almost impracticable. Among these, wherever a dry spot was found, it was covered with mean mud cottages; the inhabitants of which supported themselves chiefly by fishing: and the neighbourhood of the canal enabled them to exchange a part of the fish they caught to supply their other wants.

Such uncultivated swamps were soon succeeded by a country, the face of which was beautifully diversified with rich plains, small knolls, and ranges of rising grounds, broken with an alter-

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succession of hills and vallies, in which well built villages were thickly interspersed. The population was crowded, and every spot was cultivated. Some fields were covered with the cocoas, from the kernels of whose fruit the castor, or palma Christi oil is extracted in the West Indies for medical purposes; but in China it is considered esculent and palatable; and is seldom used in medicine. The greatest part of the land, however, was under cotton, of which the pods were now opening, and ready to be gathered. The canal widened hereabouts, flowing to the southward, in a current of upwards of two miles an hour. Several branches went off from the main trunk of the canal, on which as well as in the distant lakes, several barges were seen sailing.

During the next stage, the canal was conducted again thro low grounds, subject to inundation, with lakes and morasses intervening. A few small and mean built villages, some willow trees, and rice grounds made up the view; but soon afterwards, a continued chain of towns and handsome villages, an immense number of vessels of all kinds, and a most thronged population, announced the approach of the Yellow river, in which the canal falls with a gentle current to

the southward. Several of the largest barges were waiting in this neighbourhood till the ensuing season, to convey the Imperial revenues to the capital. Others preferred also waiting at the same place as a kind of central point, with which every part of the empire had a regular communication, and was consequently best adapted for the exchange of commodities.

On the second of November, the yachts arrived at that part of the canal where it forms a junction with the Yellow river, so called from the yellow mud suspended in it in such quantities, as to render it more like diluted earth than water. Upon the nearest coast, as well, indeed, as on the opposite side, is a very extensive and populous town. The canal here is about three quarters of a mile in width, and forms an excellent harbour for shipping.

This canal is not, nor indeed is any in China, a private concern, carried on at the expence, and for the profit of individuals; but is under the regulation and immediate inspection of the government, whose policy it is to maintain an easy communication between the several parts of the empire, as tending to promote the commerce and agriculture of the country, thereby increasing the revenues of the state, and the comforts of the people.

The amazing velocity with which the Yellow river runs at the place where the yachts and barges of the Embassy were to cross it, rendered, according to the notions of the Chinese crews, a sacrifice necessary to the spirit of the river, in order to ensure a safe passage over it. For this purpose, the master, surrounded by the crew of the yacht, assembled upon the forecastle, and holding, as a victim, in his hand a cock, wrung off his head, which committing to the stream, he consecrated the vessel with the blood spouting from the body, by sprinkling it upon the deck, the masts, the anchor, and the doors of the apartments; and stuck upon them a few of the feathers of the bird. Several bowls of meat were then brought forward, and ranged in a line across the deck. Before these were placed a cup of oil, one filled with tea, one with some ardent spirit, and a fourth with salt. The captain making at the time three profound inclinations of his body, with hands uplifted, and muttering a few words, as if of solicitation, to the Deity. The loo or brazen drum was beaten in the mean time forcibly; lighted matches were held towards heaven; papers, covered with tin or silver leaf, were burnt; and crackers fired off in great abundance, by the crew. The captain, afterwards, made

libations to the river, by emptying into it from the vessel's prow, the several cups of liquids, and concluded with throwing in also that which held the salt. All the ceremonies being over, and the bowls of meat removed, the people feasted on it in the steerage; and launched afterwards, with confidence, the yacht into the current. As soon as she had reached the opposite shore, the captain returned thanks to heaven, with three inclinations of the body.

Beside the daily offering and adoration at the altar erected on the left, or honourable side of the cabin in every Chinese vessel, the solemn sacrifices above described are made to obtain the benefit of a fair wind, or to avert any impending danger. The particular spot upon the forecabin, where the principal ceremonies are performed, is not willingly suffered to be occupied or defiled by any person on board.

For offering sacrifices to the troubled waters, in order to appease or render them propitious, it was, no doubt, with these men a sufficient motive that the same had been practiced, on similar occasions, by their predecessors; but the origin of the custom is more obscure; nor does the nature of it argue much refinement in those amongst whom it first was introduced. Some consid-

rations may lead, indeed, to a presumption that application for aid to beings that are invisible may have been founded on a common principle, wherever recourse has been had to it. As soon as one man had obtained, over many, a power without control, and that such power was equally felt, whether in his presence or in his absence, it was deemed expedient to endeavour at conciliating his good will by offerings of whatever was most likely to be gratifying to him. Thus the sovereign himself, or, in his absence, his palace, or his throne, or the principal dwelling of the place, was humbly approached with gifts, which he might be supposed to relish : such being the resource of the weak for obtaining the kindness, or averting the injustice, of the powerful. If he should be pleased with gold, the bowels of the earth were ransacked for it ; if, as in the excesses to which princes and conquerors in the first ages were supposed to have been prone, he should delight in the riotous and sanguinary pleasures of the table, bloody sacrifices were prepared and offered at his altar.

As the moral events of life, affecting the happiness of the people, were known to depend upon the will of the sovereign, whose subjects in the distant part of his dominions felt, without

seeing him, the weight of his authority; it was inferred, that physical events were directed likewise by a personified being, however invisible, whose favours were to be gained, and protection granted, by the same means which were practised in the moral conduct of the world.

Those means or offerings were sometimes made by a particular class of men, under the name of ministers of the altar, when much of the sacrifices that were offered were converted to their private use: and when the people themselves became the sacrificers, they, in like manner, after a formal offering to the invisible spirit, feasted on the sacrifices themselves, devoting only to the Deity some minute but material part of it, such for example as the oil and salt. The natural quality of the former article, when much of it happened to be thrown upon agitated waters, to smooth immediately their surface, served as a confirmation of the supernatural power of the spirit that had been addressed, and of its satisfaction at the offering made to it; and salt is considered to be an essential relish to most kinds of food, which could not therefore fail, it was supposed, to be acceptable.

The Chinese appear to have been led, from the influence of the same causes, to coincide with

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other nations, in the nature of their offerings. When a fowl, for example, was to be offered by the Jews, it was ordained by the Levitical law, that "the priest should bring it unto the altar, and wring off his head, and burn it on the altar; and the blood thereof should be wrung out at the side of the altar; and he should pluck away his crop with the feathers, and cast it beside the altar." The same people were also commanded "not to suffer the salt of the covenant of their God to be lacking from their meat offerings."

Profane, but classic writers, mention the use of oil and salt, as common in the sacrifices of the ancient Europeans. Virgil describes Æneas as pouring oil on the slaughtered victims,

"Oleum fundens ardentibus extis;"

Ovid mentions, in the oblations of the primitive Italians, the

—"Puri lucida mica salis;"

and Horace, the

—"Saliente mica;"

among the peace-offerings to the irritated Penates.

Together with those offerings, however, great exertions are found necessary to overcome the

violence of the Yellow river, and to transport large yachts in safety to the opposite shore.

The wind was fair when those of the Embassy undertook it. They were towed by light sailing boats, and had the assistance of their own great sails and sculling oars. Some stemmed the stream without losing much ground; while others were hurried by it with rapidity to a considerable distance below the opposite point, and were obliged to be tracked back with no little human labour, to the mouth of the canal for which they had steered.

The extent of the country through which the Yellow river flows, and the quantity of water it discharges into the sea, are little surpassed by any other in the old world. Mr. Barrow, whose journal as well as that of the Ambassador, has assisted this work much oftener than he is quoted, has attempted an estimation of the above two particulars. "The sources of the Yellow river," he says, "are two lakes, situate amongst the mountains of that part of Tartary known by the name of Kokonor. They lie about the thirty-fifth degree of north latitude, and nineteen degrees of longitude to the westward of Pekin. The river, after meandering through

"this division of Tartary, first in an eastern direction about two hundred and forty miles, then north-west about one hundred, and again easterly two hundred and fifty miles, a number of branches falling into it in that course, enters the province of Shen-see; and thence running in a northerly direction parallel to the great wall, which it crosses in the thirty-ninth degree of latitude; it enters into the country of the Ortoo Tartars, which it divides from the Mongoo Tartars, and continuing in a northerly direction to the forty-first degree of latitude, makes a course to the northward of four hundred miles. Numberless tributary streams from the heights of Tartary, and those of Shen-see, flow into it from most points of the compass. Continuing afterwards easterly two hundred miles, it again crosses the great wall, and taking a southern course for about double the last distance, dividing the provinces of Shen-see and Shan-see, it enters Honan in the parallel from whence it sprung. From thence, after receiving the waters of a great lake, and running through the northern part of the same province, and that of Kiang-nan, in a course due east five hundred and sixty miles, it discharges its immense volume into

“ the sea, to which it gives a name. This cir-
“ cuit is fully equal to an extent of two thousand
“ one hundred and fifty miles. The distance
“ from the sea where it is crossed by the canal,
“ is not more than seventy miles. Its width
“ exceeds a mile, and its depth in the middle
“ of the stream, not more than nine or ten feet;
“ yet, tho the country through which it passes
“ in this place, be to all appearance a perfect
“ plain, the water is carried through it with a
“ velocity of seven or eight miles in every hour.
“ The swiftness, indeed, of any stream, does
“ not depend on the descent of the country
“ through which it runs in any particular part
“ of it, but principally on the impetus it receives
“ towards its source, and also from the narrow-
“ ness of the channels through which it had there
“ been forced; or the sudden increase of its vo-
“ lume impelled through the same channel; as
“ is proved by Major Rennell’s observations on
“ the Ganges.

“ To avoid all possibility of exaggeration, let
“ it be supposed that the breadth of the Yellow
“ river where the Embassy passed it, was only
“ three quarters of a mile, the mean depth five
“ feet, and the velocity of its course four miles
“ an hour. From thence it follows, that in every

"hour, there is discharged from that river into
"the Yellow sea, a volume of water equal to
"418,176,000 solid feet, or 2,563,000,000 gal-
"lons of water, or eleven hundred times as much
"as appears to be furnished by the Ganges.

"In order to be able to form some idea of the
"quantity of mud suspended in the water of the
"Yellow river, the following experiment was
"made: a gallon and three quarters, ale measure,
"taken out of the middle of the stream where it
"was running at the rate of seven or eight miles
"an hour, and at a depth of nine feet, deposited
"a mass of matter, which, when compact, and
"pressed into the form of a brick, was equal to
"two solid inches and a third. The sediment
"of which this mass consisted, was a fine loamy
"mud of a yellowish tinge, and when dry is
"reducible to an impalpable powder by rubbing
"it between the fingers. Martini observing the
"uncommon apparent muddiness of the Yellow
"river, and not aware how small a quantity of
"colouring matter is sufficient to tinge a large
"volume of water, estimated the mud of that
"river in the rainy season, to be one-third of
"the whole. Some travellers in Egypt, like-
"wise considered the quantity of mud in the
"waters of the Nile at the time of its inundation,

“ as composing one twentieth of the volume of
“ the fluid; but the more accurate Shaw, who
“ evaporated a given quantity of water taken out
“ of the Egyptian river, found that the residuum
“ formed only an hundred and twentieth part of
“ the original bulk.

“ According to the method now followed as
“ to the water of the Yellow river, it appeared
“ to contain of mud, but a two hundredth part
“ of the original bulk. A considerable portion
“ of the mud must have, indeed, been wasted,
“ from the nature of the experiment. Accord-
“ ing to this proportion, however, of mud sus-
“ pended in the waters of the Yellow river, a
“ quantity equal to 3,420,000,000 solid inches,
“ or 2,000,000 of solid feet of earth is wafted
“ to the sea in every hour; or 48,000,000 every
“ day, or 17,520,000,000 in a year. Suppos-
“ ing the mean depth of the Yellow sea to be
“ twenty fathoms, or one hundred and twenty
“ feet, and it was seldom found to be so much, the
“ quantity of earth brought down from the Yel-
“ low river, would, if accumulated together, be
“ sufficient to fill up, even to the surface of the
“ sea, an island one mile square in seventy days.
“ By extending the calculation, a curious in-
“ quirer may find in what space of time the Yel-

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"low sea itself might be filled by the successive
"depositions from the Yellow river alone; for,
"supposing that sea to extend northward from
"that river, and to include the gulfs of Pe-che-
"lee and Lea-tong, the number of square miles
"on the surface of this extent, would be about
"125,000, which, multiplied by the number
"(seventy) of days, necessary for consolidat-
"ing one mile square, would make 8,750,000
"days, or 24,000 years.

"This calculation, indeed, implies that the
"quantity of earth waisted by the Yellow river,
"always remains the same, which may not be
"the case; yet considering the vast length of
"this river's course, the rapidity of its descent
"from the Tartarian mountains, sweeping before
"it whatever meets its stream, the frequent inun-
"dations which its increased volume and velo-
"city, after heavy rains, occasion in the im-
"mense tract of low country, consisting of a
"soil of a loose texture, through which it passes,
"it is possible that an equal quantity of earth,
"as at present, will be borne down by it for a
"vast number of ages yet to come."

During the progress of the yachts towards the
Yellow river, various letters passed between the
Emperor and the present respectable conductor

of the Embassy, on whose representation, the letter to Sir Erasmus Gower which had been detained by Ho-choong-taung, was forwarded by his Imperial Majesty's express order to Chu-san. Sun-ta-zhin quoted often out of the Imperial dispatches several expressions of kindness and attention towards the Ambassador. The latter was, indeed, privately informed that those expressions were in consequence of the reports of the conduct and disposition of the Embassy, made to him by Sun-ta-zhin, who declared, that from the most careful observation, he was convinced the Ambassador really entertained no other views than those of procuring for his country advantages in trade, which the people of Europe considered as an object of the first importance, however trifling in the eyes of a Chinese statesman, or unworthy the trouble of so distant an expedition, merely for the purpose of promoting it. He added, that he could perceive nothing in the sentiments or manners of the English, of which the communication could be productive of any mischief to the nation with which they might wish to maintain an intercourse.

The Emperor's gracious expressions were accompanied, sometimes, with presents of dried meats from his table, in the Eastern manner, by

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way of tokens of his personal regard. In reply to Sun-ta-zhin's letters, his Imperial Majesty assured him, that " he entertained himself a high esteem for the Ambassador and his nation, notwithstanding the various surmises that had been made about them; and that he was determined to protect their trade, about which his Excellency appeared to interest himself so warmly; that he had, indeed, declined complying with particular requests, not so much perhaps that they were in themselves improper, as that they were introductive of something new, which, at the advanced period of his life, he did not think it prudent to adopt, at least upon the sudden; that as to the business of Canton, the detail of matters in that distant province was left, for the most part, to the discretion or recommendation of the Viceroy, who, officially consulted on the proper answer, to be given to the English, would not readily dictate an abolition of the practices he had permitted; but as a particular mark of his Imperial Majesty's attention to the wishes of the Ambassador on this head, he had made a change in the government of that province, and named to it a person of his own blood, who was endued with uncommon sentiments of justice and benignity towards strangers; that he had

“ written in the strongest terms to this new Viceroy, who had not yet quitted his late government of Che-kiang, in which Chu-san is situated, to examine and revise the regulations of the port of Canton, and to put an effectual stop to the vexations of which the English complained there.” Sun-ta-zhin said, in addition, to the Ambassador, that it might be, perhaps, imagined he was induced to give, out of tenderness to his Excellency, the most favourable interpretation of the Emperor’s dispatches to him, but that the expressions he had used in the most material parts of his discourse were the Emperor’s own words; that as the new Viceroy of Canton still resided at Han-choo-foo, the capital of Che-kiang, he would introduce the Ambassador there to him, who would give him a full confirmation of the assurances he now received.

The dispatches to and from the Emperor were carried by a man on horseback, in a flat bag or basket, tied round his body. At the bottom of the bag were bells suspended, to announce his approach at every stage, where he and his horse were to be relieved. The distance between the stages was about ten or a dozen miles.

As soon as the yachts had entered into the province of Kiang-nan, a mark of attention was

paid to the Embassy by the Viceroy there, which had not been thought of before. The trackers employed upon the Pei-ho, at the entrance of the Ambassador into China, and hitherto on his return, were clad in the plain blue cotton garments, and sometimes indeed in the tattered remnants of the poorest peasantry. They now appeared in a new and regular uniform, edged with red, and a smart bonnet with a flat red button on the top of it, all which passed from one set of trackers to another. This new dress was indeed more consistent with the appearance of the yachts and barges in every other respect. Of a handsome and convenient construction, honoured with the imperial colours, and decked with streamers and other naval ornaments, sounding with noisy music not unpleasant when heard at a little distance, the vessels of the Embassy followed each other, to the number of about forty, in regular procession. Their progress had indeed been slow, especially when a south-west breeze sprang up; but it made the air feel uncommonly pleasant. The grey mottled sky disclosed, at the same time, such a proportion of the sun's beams as rendered the weather still more cheerful. The scene became more lively and delightful, not only by the view of other vessels sailing and crossing each other

on the canal; but by the prospects on shore of towns and villages, of husbandmen cultivating the fields or reaping the harvest; of military posts with flags flying on the Embassy's approach, and guards saluting it with repeated firing of guns; and numberless spectators hurrying to the banks of the canal, to get a sight of the strangers as they passed:

On the southern side of the Yellow river, the yachts began to proceed more quickly, the current of the canal, as it quitted that river, being more rapid; in consequence of which the number of flood-gates was increased upon this part of it. Farther on, it was carried by the margin of lake Pao-yng, whose surface was much lower than that of the canal, which was separated from the lake by a strong embankment, such as has already been described. In this lake an extensive fishery is carried on, principally by the means of the Leu-tse, or fishing corvorant of China, which in scientific language may be distinguished from other species by the name of *Pelecanus Sinensis*. These fishing birds are here trained, and sent from hence to all parts of the empire.

Beyond the lake the country was again so covered with swamps and morasses, as not to a

mit of the usual cultivation. The lien-wha grew indeed spontaneously amongst them, and in great abundance. In such situations the Chinese exhibit new instances of industry and ingenuity. They form rafts or hurdles of bamboo, which they float upon the water, or rest upon morasses: in these rafts they spread a layer of soil, from whence they raise various kinds of vegetables, in the manner as successful attempts are made, in miniature, to produce small vegetables on ship-board, by laying seeds on moistened soil, or even on pieces of flannel, placed in frames and covered. By these means the radical leaves, for example, of mustard sprout up quickly, and are particularly grateful to persons long absent from land.

Beside this method of raising a crop upon the water, the lakes, rivers, and canals of China are converted so assiduously to such other useful purposes, either in cultivating vegetables growing from their bottom, particularly the lien-wha, in catching, by so many means, the birds that swim upon its surface, or the fish that exist under it, or the other animals which creep upon the bottom, or by fertilizing the lands by irrigation from them, and by the cheap and easy communication which they afford between the different

districts of the empire : thus saving so much land, otherwise necessary for broad roads, as well as so much labour to make, and keep them in repair, which is now employed in agriculture ; and so much more land, which would have been necessary to produce nourishment for the cattle, otherwise required to carry travellers and burdens on high roads ; that it may be considered to be a moderate calculation, to place that element upon an equality, in productive value, with the solid parts of the empire, of the same superficial dimensions.

The morassy country has certainly most the appearance of poverty, and is the least encouraging to inhabit of any hitherto met with in the travels of the Embassy. It is from such places, and in consequence of the loss of their habitations, and the produce of their industry, overwhelmed by extraordinary inundations, or other unexpected calamities, that the natives are induced sometimes to colonize into Tartary, notwithstanding the general prejudice imbibed against the people of that country. Tho many of the chief mandarines, and most of the viceroys of the provinces are of Tartarian birth or blood, and some of them, at least, men of polished manners and respectable character, the Chinese com-

under the Tartars in general in the light of barbarians; as an instance of which they repeat the story, popular amongst them for four centuries, that when the Mongol Tartars seized first upon Pekin, they erected tents for their own accommodation, while they put their horses in the places of the Chinese emperors.

In the midst of the low grounds in this part of the route, a town of the third order was situate, the tops of its walls being little more than level with the surface of the canal, which formed an aqueduct raised twenty feet. It was two hundred feet in width, and ran at the rate of three miles an hour. From these circumstances some judgment may be formed of the strength of the embankments which contained it, and the immensity of labour that such a work required.

Soon afterwards the yachts arrived before a handsome town, of which such of the houses as fronted a terrace on the banks of the canal, were all two stories high, and neatly white-washed. The inhabitants were better clad, and the women fairer and better featured than most of those who had been seen to the northward.

The canal, on proceeding somewhat farther, ceased to have a current; and the ground rising the southward, it was found necessary, in

order to gain a level, to cut down about twenty feet deep for a tract of seven or eight miles; at the end of which the yachts reached a city of the first order, bearing marks of great antiquity. Some of the walls and buildings were in ruins, and overgrown with mosses, grass, and shrubbery. It still had the appearance of carrying on a considerable trade; and there were not fewer than a thousand vessels of different sizes lying at anchor close to it. A garrison of at least two thousand men turned out, with colours and music, and appointed as if going to be reviewed. The country thereabouts was a plain, well cultivated in rice and mulberry-trees.

Those trees did not appear to differ from the common mulberry-trees of Europe. Their branches were pruned off continually, in order that the young scions might the more readily sprout out; for the leaves of these are found to be more tender, and delicate in their texture, and more nutritious for the silk-worms, than the coarse leaves produced upon older branches. Some of those trees were said to bear white, and some red or black fruit; but often they bore none. They were cultivated and reared with the greatest care; and planted in rows about ten or twelve feet asunder in beds of a moist, but not inundated, loamy

earth, thrown about a foot high above the surface of the ground. The trees are frequently pruned or dwarfed, in order to make them produce a constant succession of young shoots, and tender leaves, the latter of which, growing upon the black mulberry, are supposed to be most succulent. The Chinese do not graft their trees; but some of the larger branches were observed to bear the misletoe. That no waste might be occasioned by the intermediate furrows; those spaces are sown with rice. Water is conveyed along the furrows through the grounds.

The insects are nursed in small houses erected for that purpose in the midst of those plantations, in order to be retired from all noise; for the Chinese have an idea that even the barking of a dog will do some injury to the worms. Some, however, are reared in towns by the inhabitants, who purchase mulberry-leaves from the cultivator of those trees. The eggs are deposited upon paper, and preserved in it till the time of hatching. When the usual period of hatching is arrived, the paper containing the eggs is moistened with a little water, and shortly afterwards the young worms are produced. The natural temperature of the climate is sufficient for that purpose. The Chinese are unacquainted with

the nature and use of the thermometer; experience only guides them. They only apply artificial heat, when they wish to have the brood earlier than usual. The insects are always suffocated before the silk is reeled off; for this purpose the cocoons or silk balls are placed in a basket, or in vessels pierced with holes, and exposed to the steam of boiling water, in such a manner as that the steam may circulate freely among all the cocoons. After the silk is wound off, the aurelias furnish an article for the table; as does indeed the white earth grub, and the larva of the sphinx moth; in which taste, however, the Chinese cannot be said to be altogether singular, as a large caterpillar that feeds upon a palm is accounted a delicious morsel in some parts of the West Indies.

In three days after the yachts had crossed the Yellow river, they came to that of Yang-tse-kiang, which is considered upon the whole to be equal, if not to exceed, in size the former. It was at this place about two miles wide,

The sources of this river are amongst the same range of mountains from whence the Yellow river runs, and which it afterwards approaches in one part within a very few miles.

“The Yang-tse-kiang,” as Mr. Barrow states

per- " consisted of two distinct branches, which
arti- separating from each other about eighty miles,
rood flow in a parallel direction to the southward,
uffo- for the space of seventy miles, and then unite
pur- between the twenty-sixth and twenty-seventh
in a degrees of north latitude, just at the bounda-
d ex- ries of the two provinces of Yunnan and
uch a Szechuen. Then striking off to the north-east,
freely directly through the latter of these provinces,
yound collecting waters of the numerous rivers that
table; descend towards it, from that and another pro-
e larva vince called Quee-choo; it continues in this
wever, direction about six hundred miles, and then
er sin- enters the province of Hoo-quang, in the
pon a thirty-first degree of north latitude. Through
some this last province it takes a serpentine course,
sed the and receives the waters of the several lakes
ang-tse with which this part of the country abounds.
hole to Leaving Hoo-quang it passes between the pro-
It was vinces of Honan and Kiang-see, and, with a
he same little inclination from the east towards the
Yellow north, its copious stream glides smoothly
aches in through the province of Kiang-nan, and is dis-
w states embogued into the sea which bounds China
to the east, in the thirty-second degree of north
latitude. The distance from thence to Hoo-
quang is about eight hundred miles, which

“ makes the whole length of the river about two
 “ thousand two hundred miles. The current
 “ where the yachts of the Embassy passed it, did
 “ not exceed in the strongest part two miles an
 “ hour ; but it was much deeper than the Yellow
 “ river.” Thus these two great Chinese rivers
 taking their source in the same mountains, passing
 almost close to each other in a particular spot
 separating afterwards from each other to the dis-
 tance of fifteen degrees of latitude, finally dis-
 charge themselves into the same sea, within two
 degrees of each other, comprehending within
 their grasp a tract of land of above a thousand
 miles in length, which they contribute generally
 to fertilize and enrich, tho by extraordinary ac-
 cidents occasioning unusual torrents, they may
 do injury in particular instances. This tract in-
 cluded the principal portion of the Chinese em-
 pire in ancient times; and lies in that part of the
 temperate zone, which in Europe as well as
 Asia, has been the scene where the most cele-
 brated characters have existed, and the most bri-
 liant actions been performed, that history has
 transmitted to posterity.

In order to gain the canal on the other side
 the Yang-tse-kiang, the yachts sailed a little way
 along the northern shore of that great river

the face of the country was here entirely changed. Instead of plains, lakes, and swamps, the ground rose gradually from the margin of the river, enriched with various kinds and tints of verdure, interspersed with trees, temples, and pagodas. In the river were islands skirted with scrubbery, and rocks rising abruptly from the surface of the water. The waves rolled like those of the sea, and porpoises are said to be sometimes leaping amongst them. Several junks were at anchor.

In crossing the river, the attention was particularly attracted by an island situate in the middle of the stream, called Chin-shan, or the Golden mountain, which rose almost perpendicularly out of the river, and is interspersed with gardens and pleasure-houses. Art and nature seemed to have combined to give to this spot the appearance of enchantment. It belonged to the emperor, who had built upon it a large and handsome palace, and on the highest eminence several temples and pagodas. The island also contained a large monastery of priests, by whom it is chiefly inhabited. A vast variety of vessels were moving on this large flood.

The ground to the southward of the Yang-tse-kiang, gradually rose to such a height that it

was found necessary to cut down the earth in the top of some parts to the depth of near eighty feet, in order to find a level for the passage of the canal.

The land in this neighbourhood was chiefly Chinese cultivated with that particular species or variety of the cotton shrub that produces the cloth usually called Nankeens in Europe. The down enveloping the seed, constitutes what, in the language of trade, is called cotton-wool, which is of a white colour in the common plant; but in that growing in the province of Kiang-nan, of which the city of Nan-kin is the capital, the down is of the same yellow tinge which it preserves when spun and woven into cloth. The colour, as well as the superior quality of this substance, in Kiang-nan, was supposed to be owing to the particular nature of the soil; and it is asserted, that the seeds of the nankeen cotton degenerate in both particulars when transplanted to another province, however little different in its climate.

Solid and permanent bridges are thrown over the canal in many parts of this province. Some of them were built of a reddish granite, containing a large proportion of feldspath; and some of a coarse grey marble. The arches of some of those bridges are of a semicircular, and others of an elliptical form, with the vertex of the elliptical

the top of the arch. Some are in the form of horse-shoe, the space being widest near the top of the arch. The stones that form the arch of a Chinese bridge are not of a square form, leaving at the top a triangular space filled by a key-stone adapted to fit the vacancy; but all the stones of the arch are so many wedges inclined according to the curve of the arch, which, when arranged in their proper places, is then only completed.

For passing under these bridges the strong masts of the yachts and barges were taken down; and others consisting of two poles, meeting at the top, and diverging to the breadth as well as the respective vessels, like the two legs of an isosceles triangle, were erected by the means of two iron bolts passing into the ends of those poles, and into notches cut in two posts, fixed on each side of the vessel. Those masts were readily lowered to pass under the bridges, some of which, however, were so lofty as to allow the vessels to pass under them in full sail. Those bridges were here necessary for a communication between the opposite sides of the canal, along which was an uninterrupted chain of towns and villages. The height of the arches, and the steps upon them, prevented the passage of wheelbarriages over them, the number of which was

small, and the use infrequent, as all heavy articles and most passengers, were carried upon the rivers and canals with which the country is intersected almost on every side. There is a communication under one of these bridges; between the grand canal and another branching from it without any inconvenience to foot passengers, or to the people employed to track the barges.

The streets of the city of Sou-choo-foo, through the suburbs of which the yachts now passed, were divided, like Venice, by branches from the principal canal. Over each of those branches was erected an elegant stone bridge. The fleet of the Embassy was nearly three hours in passing the suburbs of Sou-choo-foo, before they arrived at the city walls, under which was drawn up an immense number of vessels. In one ship-builder's yard were sixteen upon the stocks, close one to the other, each of the burden of about two hundred tons. In the walls of the city are turned several arches, through which the canal passes, not unlike those in the walls of the city of Batavia.

Sou-choo-foo appears to be an uncommonly large and populous city. The houses were generally well built and handsomely decorated. The inhabitants, most of whom were clad in silk, ap-

ed cheerful and prosperous: tho it was understood that they still regretted the removal of court from Nan-kin, in their neighbourhood, which had formerly been the capital of the empire. Nothing, indeed, but very strong political considerations, could have induced the sovereign to prefer the northern regions of Pe-chee, on the confines of Tartary, to this part of his dominions, on which all the advantages of climate, soil, and productions, have been lavished with an unsparing hand; and where nature itself has been improved by industry and industry. Sou-choo-foo has been termed by travellers the paradise of China. Among the natives it is a common saying, that "heaven is above them; but on the earth they have Sou-choo-foo."

The gentlemen of the Embassy also thought the women of Sou-choo-foo handsomer, fairer, and dressed in a better taste, than most of those they had seen to the northward; where the necessity of long toiling in the open air on a less fertile soil, and of sharing in the rudest labours with the men, the confined and homely fare which serves them for subsistence, and the little leisure left them for attending to their persons, may have contributed to darken their complexions,

as well as to harden and disfigure many of the features, more than could be effected by the occasional rays of a more southern sun falling upon the females, at the distance of thirty degrees from the Equator. The ladies of Sou-choo-foo are sometimes distinguished by a small cap on the forehead, brought down to a peak between the eyebrows, made of black satin, and set with jewels. They likewise wear ear-pendants of crystal or gold.

At a short distance from Sou-choo-foo is the beautiful lake of Tai-hoo, surrounded by a chain of picturesque hills. This lake, which furnishes fish for the inhabitants of Sou-choo-foo, serves them also as a place of public resort and recreation. Many of the pleasure-boats were rowed each by a single female. Every boat had a neat and covered cabin; and the rowers were supposed to follow more than one profession. The lake divides the province of Kiang-nan and that of Che-kiang, to the capital of which the Embassy was now approaching.

Beyond Sou-choo-foo, the whole face of the country to a considerable distance presented a forest of mulberry plantations, interspersed with a few tallow trees. From the fruit of this last tree, the *croton sebiferum* of Linnæus, the Chinese

in a kind of vegetable fat, with which they
a great proportion of their candles. This
in its external appearance, bears some resem-
blance to the berries of the ivy. As soon as it
matures, the capsule opens and divides into two, or,
frequently, three divisions, and falling off,
leaves as many kernels, each attached by a
short stalk, and covered with a fleshy
substance of a snowy whiteness, contrasting
sharply with the leaves of the tree, which, at
maturity, are of a tint between a purple and
red. The fat or fleshy substance is separated
from the kernels by crushing and boiling them
in water. The candles made of this fat are firmer
than those of tallow, as well as free from all of-
fensive odour. They are not, however, equal to
those of wax, or spermaceti. The latter substance
is indeed unknown in China, as well as the ani-
mal which produces it. The art of blanching
wax, is also little known to the Chinese; and
the species of wax is chiefly used for ointments
and plasters. The wax for candles, is generally
produced by insects, feeding chiefly on the
silk, as is mentioned in the chapter of Cochinchina.
It is naturally white, and so pure as to
produce no smoke; but it is collected in such
small quantities, as to be scarce and dear. Cheap
Chinese
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candles are also made of tallow, and even grease of too little consistence to be used, without the contrivance of being coated with the firm substance of the tallow tree or of wax. The surface of those candles are also sometimes painted red. Wicks are made of many different materials. Those for lamps, are of the amiantum which burns without being consumable in fire, or of the artemisia, and the carduus marianus with which tinder is also made; but for candles a light inflammable wood is used, in the lower extremity of which is pierced a small tube to receive an iron pin, which is fixed on the flat top of the candlestick, and thus supports the candle without the necessity of a socket. The economical spirit of the Chinese induces them to consider that this form of their candlesticks answers the purpose of what the poorer classes only the people know elsewhere under the denomination of a *save-all*, which is supposed to make a difference of a tenth, or thereabouts, in the consumption of that necessary article. The tallow tree is said to have been transplanted to Calcutta, and to flourish there as well as in China. Few other trees were planted in this part of the banks of the great canal, which was here without a current, and so wide that a stone bridge

no less than ninety arches was in one place thrown over it.

The canal continued to be of a width between sixty and an hundred yards, and its banks generally faced with stone, through the whole length of the rich and beautiful country, about ninety miles in length, which lies between Sou-choo-foo and Han-choo-foo.

The yachts stopped at a village near the latter city, to receive the new Viceroy of Canton, who came in his barge to pay the first visit to Sun-ta-zhin, and to the Ambassador.

The Viceroy, Chaung-ta-zhin, appeared to be a man of mild and pleasing manners, assuming little of the pomp either of his rank, as a relation of the Emperor, or of his station as Governor-general of the two provinces of Quang-tung or Canton, and Quang-see. He confirmed the assurances which had been given by Sun-ta-zhin, as to the disposition and directions of the Emperor, in favour of the English, and mentioned his own good-will towards them.

The reader will observe, that the names of the Chinese mentioned in this work, are, independently of the additions of their qualities, all of one syllable; as is every word in the Chinese language. Those additions are the more necessary,

as a name implies no distinction in favour of the family which bears it. There are but one hundred family names known throughout the empire; and the expression of the hundred names, is often used as a collective term for the whole Chinese nation. Individuals, however, occasionally assume, at different periods, or under different circumstances of their lives, other appellations expressive of some quality or event. Each family name is borne by persons of all classes. Identity of such names implies, however, some connection. All who bear it, may attend the hall of their supposed common ancestors. A Chinese seldom, if ever, marries a woman of his family name; but the sons and daughters of sisters married to husbands of two different names, marry frequently; those of two brothers bearing the same name, cannot. Tho names always do not denote distinctions, and tho no hereditary nobility exists in China, pedigree is there an object of much attention. He who can reckon his ancestors to a distant period, as if distinguished by their private virtues, or public services, and by the honours conferred upon them in consequence, by the government, is much more respected than new men. The supposed descendants of Confucius are always treated with particular

regard; and immunities have been granted to them by the Emperors. The ambition of an illustrious descent is so general, that the Emperors have often granted titles to the deceased ancestors of a living man of merit. Indeed, every means are tried to stimulate to good, and to deter from evil, actions, by the reward of praise, as well as by the dread of shame. A public register, called the Book of Merit, is kept for the purpose of recording every striking instance of meritorious conduct; and, in the enumeration of a man's titles, the number of times that his name had been so inserted, is particularly mentioned. For faults, on the other hand, he is subject to be degraded; and it is not deemed sufficient that he should assume only his reduced title; but he must likewise add to his name the fact of his degradation.

Those regulations principally regard the mandarines, who are entrusted with authority by the Emperor, in order to promote the welfare of the people. If this trust be abused, and his subjects suffer more than the nature of society requires, it must be owing, in great measure, to the narrow limits of the physical powers of a single person, whose vigilance his delegates will be able to elude, and whose best intentions they may be

able to pervert, unless the people possess over them some controlling power.

The Viceroy, Chaung-ta-zhin, besides the honours and favours conferred upon him by the Emperor, was gratified, by the inhabitants of the province of Che-kiang, whom he had governed with justice and benevolence, with the most flattering of all titles, by calling him "the second Confucius."

This Viceroy accompanied Sun-ta-zhin and the Ambassador, on their entrance into Hanchoo-foo, on the ninth of November, 1793.

*Plants, collected in the Provinces of Shan-tung
and Kiang-nan.*

Equisetum.	Myriophyllum spicatum.
Fraxinus.	Amaranthus caudatus.
Mimosa.	———— tricolor.
Roetboellia.	Morus papyrifera.
Holcus.	———— another species.
Anthisteria ciliaris.	Viola.
Cannabis sativa.	Chrysanthemum indi-
Salix.	cum.
Cucurbita citrullus.	

over	<i>Inula japonica.</i>	<i>Sophora japonica.</i>
	<i>Artemisia.</i>	<i>Oryza sativa.</i>
es the	<i>Prenanthes.</i>	<i>Berberis cretica.</i>
m by	<i>Medicago lupulina.</i>	<i>Tamarix.</i>
bitants	——— <i>falcata.</i>	<i>Chænopodium arista-</i>
ad go-	<i>Trifolium melilotus.</i>	<i>tum.</i>
th the	<i>Astragalus</i> , two spe-	——— <i>another species.</i>
" the	<i>cies.</i>	<i>Celosia argentea.</i>
	<i>Eschynomene.</i>	<i>Euonymus.</i>
n and	<i>Phaseolus.</i>	<i>Solanum nigrum.</i>
Han-	<i>Dolichos cultratus.</i>	<i>Convolvulus.</i>
.	<i>Gossipium.</i>	<i>Cistus.</i>
	<i>Geranium.</i>	<i>Rubus cordifolia.</i>
	<i>Cleome viscosa.</i>	<i>Arundo phragmites.</i>
	<i>Symbrium amphibium</i>	<i>Cynosurus indicus.</i>
ting	——— <i>another species.</i>	<i>Poa chinensis.</i>
	<i>Vitex negundo.</i>	——— <i>two other spe-</i>
	<i>Clerodendrum.</i>	<i>cies.</i>
spica-	<i>Sindernia japonica.</i>	<i>Panicum dactylon.</i>
	<i>Antirrhinum.</i>	——— <i>crus galli.</i>
adatus.	<i>Mentha canadensis.</i>	<i>Scirpus autumnalis.</i>
color.	<i>Conurus sibiricus.</i>	——— <i>miliaceus.</i>
ra.	<i>Cymum.</i>	<i>Cyperus difformis.</i>
species.	<i>Potentilla.</i>	——— <i>iria.</i>
	<i>Crataegus.</i>	<i>Cyperus odoratus, Osb.</i>
a indi-	<i>Callaria.</i>	——— <i>two other spe-</i>
	<i>Melia.</i>	<i>cies.</i>

Schoenus aculeatus.	Hypnum.
Lycopus europæus.	Chara.
Verbena officinalis.	Phyllanthus.
Veronica anagallis.	Croton sebiferum.
Thuya pensilis, a new species.	Agyneia impubis.
Kylinga monocephala.	Naja marina.
Justicia procumbens.	Valisneria spiralis.
Ilex.	Menispermum trilobum, Thunberg.
Trapa.	Andropogon.
Paspalum.	Cenchrus.
Polygonum lapathifolium.	Ficus pumila.
—— dumetorum.	Pteris serrulata, Hort. Kew.
—— amphibium.	—— semi-pinnata.
—— perfoliatum.	—— caudata.
Saccharum.	Asplenium.
Leersia.	Woodwardia.
Dianthus plumarius.	Polypodium hastatum, Thunberg.
Penthorum.	—— falcatum, Thunberg.
Oxalis corniculata.	—— another species
Agrimonia.	Davallia chinensis, Smith.
Rosa.	Trichomanes Chinensis
Nymphæa nelumbo.	Marsilea quadrifolia.
Thea.	
Stratiotes.	
Marchantia.	

Marsilea natans.	Triticum.
Utricularia filiculoides, Lamour.	Morus alba.
	----- nigra.
Utricularia cernuum.	Fagus castanea.
Utricularia, another species.	Viscum.
Utricularia camphora.	Nicotiana tabacum.

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CHAPTER IV.

HAN-CHOO-FOO. JOURNEY FROM THENCE TO CHU-SAN; AND ALSO TO CANTON. PASSAGE OF THE LION AND HINDOSTAN FROM THE FORMER TO THE LATTER.

A LARGE irregular bason, which terminates the Imperial or grand canal, is situate in the suburbs of Han-choo-foo. It is increased by waters from a lake lying to the westward of the city. The latter furnishes also a copious stream, running in a channel round the city walls, in which are turned several arches for small canals to pass through the principal streets.

Han-choo-foo is situate between the bason of the grand canal, and the river Chen-tang-chaung, which falls into the sea at the distance of little more than sixty miles to the eastward. The tide when full increases the width of this river to about four miles opposite the city. At low water there is a fine level strand near two miles broad, which extends towards the sea as far as the eye can reach. By this river, Han-choo-foo re-

receives and exports great quantities of merchandise to and from the southern provinces. The goods are shipped and unshipped by means of waggons with four wheels to each, placed in a line, and forming a convenient pier, which is easily lengthened or shortened, by increasing or diminishing the number of waggons, according to the distance of the vessels from the shore.

Between the river and the bason of the grand canal, there is no water communication. All the merchandize therefore brought by sea into the river from the southward, as well as whatever comes from the lakes and rivers of Che-kiang and Fo-chen, must be landed at this city, in their way to the northward: a circumstance which renders Han-choo-foo the general emporium for all articles that pass between the northern and southern provinces. Its population is indeed immense: and is supposed to be not very much inferior to that of Peking. It has, however, nothing grand in its appearance except its walls. The houses are low. None exceed two stories. The streets are narrow. They are paved with large smooth flags in the middle, and with small flat stones on each side. The chief streets consist entirely of shops and warehouses; many not inferior to the most splendid of the kind in

London. A brisk and extensive trade seems to be carried on in silks, and not a little in furs and English broad cloths. It was difficult to pass along the streets, on account of the vast concourse of people, not assembled merely to see the strangers, or on any other public occasion; but each individual going about his own concerns. In the shops several men but no women attend behind the counters. The flowered and embroidered satins, and other branches in the manufacture of silk, every part of which is done by women, occupy vast numbers of them in Han-choo-foo. Most of the men were gaily dressed; and appeared to be in comfortable circumstances.

Dress is seldom altered in China from fancy or fashion: whatever is thought suitable to the condition of the wearer, or to the season of the year, continues generally, under similar circumstances, to be the same. Even among the ladies, there is little variety in their dresses, except, perhaps, in the disposition of the flowers or other ornaments of the head. They generally wear over a silk netting, which is in lieu of linen, a waistcoat and drawers of silk, trimmed or lined, in cold weather, with furs. Above this is worn a long satin robe, which is gracefully gathered round the waist, and confined with a sash. These different

parts of their apparel are usually each of a different colour, in the selection and contrast of which, the wearers chiefly display their taste. Tho the ladies reckon corpulence a beauty in a man, they consider it as a palpable blemish in their own sex, and aim at preserving a slimness and delicacy of shape. They suffer their nails to grow, and reduce their eyebrows to an arched line.

At Han-choo-foo, information was received that the Lion, with Sir Erasmus Gower, had sailed on the sixteenth of October from Chu-san, before the arrival there of the Ambassador's letter to him, which the Emperor had dispatched on the representation of Sun-ta-zhin. Had it been sent on the fourth of that month, when it was determined for that purpose to the Colao Ho-choong-gung, it would have certainly reached Chu-san before Sir Erasmus's departure; and would have overruled the instructions which had been given by his Excellency to him formerly, in the prospect of a longer stay at Peking, to proceed on a circuitous voyage, and not to approach the neighbourhood of Canton till May. Before that time, the apprehension of the approaching south-west monsoon, might have determined the Company's ships bound for Europe, to risk going without a delay, rather than to be obliged to wait another

year : thus defeating the purpose which had precipitated the Ambassador's departure from the capital of China. An event, however, took place, which left a possibility that the object, in itself of such importance, and about which his Excellency was so anxious, of his conveying in the *Lion* to England the valuable fleet of the present season, without loss of time, might be still obtained. Sir Erasmus Gower, in a letter written the day before he sailed from Chu-san, acquainted the Ambassador, that, finding himself unexpectedly in the want of several articles absolutely necessary for the ship's company, and particularly of medicines, which the Chinese could not supply, he should be obliged to direct his course, in the first instance, for the river of Canton, where he hoped to be provided by the English factory ; after which he should immediately proceed in the route which had been pointed out to him by his Excellency. It was possible that a new letter might be made to reach Sir Erasmus during the short stay he intended to make before Canton. The suspicions, which had hitherto been elsewhere so baneful in traversing the intentions of the Ambassador, had no place in the breasts of Sun-ta-zhin, or of the Viceroy. A letter to stop the *Lion* was instantly

dispatched to the Company's Commissioners at Canton, with a request that it should be forwarded to Sir Erasmus Gower, if within their reach.

The Hindostan Indiaman was still at Chu-san waiting for her commander. The new Viceroy of Canton, did not, as the old had done, object to his going to join his ship. It was determined also, that most of the gentlemen of the Embassy, who had been passengers in her to China, should return by the same conveyance; and that the presents from the Emperor to his Majesty should be put on board that vessel, in like manner as those from his Majesty to the Emperor had been brought out in her. For this purpose, it was necessary that the Embassy should be divided into two parties, to take different routes. The Ambassador, and the greatest number were to proceed to Canton; and Chaung-ta-zhin, who was likewise going to take possession of the government of that province, hastened his departure in order to accompany them; while Sun-ta-zhin, with equal readiness, agreed to take to Chu-san Colonel Benson, and the other gentlemen who were going to join the Hindostan.

The arrangements to be made on this occasion, were attended with the delay of a few days at

Han-choo-foo. Some of the gentlemen took the opportunity of writing to their friends in Europe, on the supposition of a cargo for the Hindostan being to be found at Chu-san, and of her sailing from thence without delay for Europe, in case of the Lion having sailed from Canton, before the Ambassador's directions for detaining that ship, should arrive there. If that circumstance should really happen, Sir Erasmus would have endeavoured to beat up against the north-east monsoon, through the strait of Formosa, in his way to the Japan islands. There was a chance also, in such an event, of his being met by the Hindostan in that strait, where his progress, in a northern course against the monsoon, would necessarily be slow. Captain Mackintosh was, therefore, provided with a letter to Sir Erasmus, similar in effect to that which was already addressed to him, under cover to the Commissioners at Canton.

During the preparations at Han-choo-foo, Van-ta-zhin, with his usual good nature, invited Mr. Barrow, and some other gentlemen of the Embassy, to take a sail across the lake See-hoo, which lay at a little distance to the westward. An elegant accommodation barge, with an attending boat for cooking victuals, were provided

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instantly. The lake was full of fish, on which they dined. It was in most places shallow, the water perfectly pellucid, and the bottom gravelly. Vast crowds of pleasure boats were sailing on it. The parties consisted entirely of men: the women in this part of the country not appearing on such occasions. The lake formed a beautiful sheet of water, about three or four miles in diameter, and surrounded to the north, east, and south, by an amphitheatre of picturesque mountains, between the base of which and the margin of the lake, the narrow slip of level ground was laid out in a pleasing style, suitable to the situation. It was ornamented with houses and gardens of mandarines, as well as a palace belonging to the Emperor, together with temples, monasteries for the Ho-shaung or priests of Tao, and a number of light and fanciful stone bridges that are thrown across the arms of the lake, as it runs up into the deep glens to meet the rills which ooze from the sides of the mountains. Upon the summit also were erected pagodas, one of which attracted particular attention. It was situate on the verge of a bold peninsula that juts into the lake, and was called the Lui-shung-ta, or temple of the Thundering Winds. Four stories were yet standing, but the top was

in ruins. Something like a regular order was yet discernible in the mouldering cornices, that projected in a kind of double curve. Grass, shrubs, and mosses were growing upon them. No ivy, the natural production of such a place in Europe, was perceived upon it; nor, indeed, in any other part of China. The arches and mouldings were of red, the upright walls of yellow, stone. Its present height does not exceed one hundred and twenty feet. It is confidently asserted to have been erected in the time of Confucius, upwards of two thousand years ago.

Within the woods, on the brow of the hills, and in the vallies, were several thousand tombs, generally built in the form of small houses, about six or eight feet high, painted mostly blue, and fronted with white pillars, and ranged in the form of a pigmy street. The tombs of persons of high rank were situate, apart, on the slope of hills, on terraces of a semicircular form, and supported by breast-walls of stone, and doors of black marble, inscribed with the names, qualities, and virtues of the interred, at length; and oftentimes obelisks were erected upon the terraces. Those monuments of departed greatness are surrounded by trees, such as different species of the cypress, whose deep and melan-

choly hue seems to have pointed them every where out, as well suited for scenes of woe. The churchyard yew did not, however, grow there, nor was it observed in any part of China; but a species of weeping thuya, or *lignum vitæ*, with long and pendent branches, unknown in Europe, overhung many of the graves. There was a vast variety of other tombs of every form, in earth, stone, and wood. This place seems to be one of the great burying places belonging to Hanchoo-foo; but it is common also, in this part of China, to meet coffins in the fields, gardens, and upon the sides of roads, as well as frequently upon the banks of the grand canal.

In this public burying place, a night seldom passes without a visit by persons accompanied by torches, to pay their respects to their deceased relations, whose monuments they decorate with slips of silk or painted paper, besides strewing flowers and burning perfumes before them.

A circumstance happened about this time altogether trifling in itself, but which serves to shew, upon how slight a ground the Chinese are apt to take alarm at any thing done by strangers. In the distribution of the baggage belonging to the whole of the Embassy, then about to separate, some of it, which was intended

to continue with those who were to proceed directly to Canton, was carried by mistake on board the barges bound for Chu-san, and then lying in a small canal which led thither. To rectify this mistake, three gentlemen of the Embassy, together with a mandarine and his servant, set out for the Chu-san barges, early of a morning. They rode round the eastern part of the city, and over a pleasant plain to the bank of the river. There they mounted waggons, covered with carpets, and furnished with cushions stuffed with cotton and covered with silk to sit upon, and drawn each by three brisk buffaloes abreast. The buffaloes were conducted by means of a cord passed through the cartilage of the nose, as camels usually are. The waggoner jumping upon the middle buffaloe, the animals set off in a full gallop towards the water, into which they plunged without hesitation; and proceeded while within their depth, when a small boat took the travellers to the opposite side of the river; from whence they went in chairs about a mile, to the Chu-san canal. There they saw the proper alterations made as to the destination of the baggage; and then set out upon their return to their yachts, still lying in the bason of the grand canal. Having crossed the river and bent their course

directly to the city, through which the gentlemen knew that the shortest way to the bason lay; but their companion the mandarine, who had projected to conduct them round its walls, as he had done in setting out, conceiving it was unfit for strangers to be allowed to traverse the city, which, however, they had done already with Van-ta-zhin, dispatched privately a messenger to have the gates shut immediately against them. The centinel obeyed, and admission being demanded by the travellers, he pretended that the governor of the city had the keys. As it was not near the usual hour of shutting the gates at night, the mandarine's order, when communicated to the officers within side, occasioned some confusion; and a part of the numerous garrison was quickly under arms. The noise soon reached the ears of Van-ta-zhin, who laughed heartily at the idea of three Englishmen creating an alarm in one of the largest and strongest cities of the Chinese empire.

The party going to Chu-san being the fewest in number, and the soonest ready, took their leave of the others on the thirteenth of November, 1793. They had at their head the respectable Sun-ta-zhin, who bid a cordial farewell to the Ambassador and his chief companions. This Colao's

conduct, indeed, from the time of his first knowledge of them at Zhe-hol, was constantly so kind towards them, and his representations concerning them were of so much weight with his Imperial Majesty, that had the Embassy happened to be put under his care instead of that of the Legate, at their first entrance into China, with the charge of corresponding with the government respecting them, it is highly probable that the Ambassador would have met with little difficulty either in the objects of his mission, or in the duration of it.

Sun-ta-zhin was attentive likewise to the party now under his protection. Finding that the barges in which Colonel Benson, Captain Mackintosh, and the other gentlemen, were carried on a small canal during the first day's journey, were inconvenient, he took care that they should be accommodated much better afterwards. In their first day's course, they passed through a champaign country, of which the fields were richly and completely cultivated. Captain Mackintosh "compares them to the garden grounds "near London, and thought them if possible more "fertile, with much less mixture of land lying un- "employed. He observed, instead of a quarry "below the soil, a solid hill of rock three hun-

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"dred feet, at least, in height, which was hewn
"into plain sides or faces, from whence were cut
"stones or blocks of every shape and size. This
"stupendous rock was in the neighbourhood of a
"large city, to whose best buildings it must
"have, no doubt, contributed. Instead also of
"turning arches for some of the bridges there-
"abouts, upright columns were erected, and con-
"nected by stones from this superterrene quarry,
"some of which were thirty feet in length: the
"uprights of other large stone buildings were
"also carried from thence to different places."

Among the instances of the peculiar attention
of the Chinese to leave not the smallest spot of
ground unoccupied that can be applied to any
use, Captain Mackintosh observes, "that vines,
"vast quantities of which were produced in this
"country for the sake of the grape as food, tho
"not pressed for wine, were generally planted
"on the sides of the canals; and as they spread,
"small upright posts were driven in the water
"five or six feet from the bank, by which means
"that space was converted into a perfect harbour,
"without any expence of earth but what was
"immediately about the roots." Ample pre-
caution is indeed taken for the constant cultiva-
tion of the lands, by the forfeiture of such, as are

neglected, to the sovereign, who grants them out anew to farmers willing to undertake their culture : a tenure somewhat similar to that on which some mines are held in Derbyshire, by adventurers in such undertakings.

It sometimes happened in the route to Chusan, that the waters of a higher canal passed immediately into another of a lower level ; and in two instances, the travellers were launched in their barges with prodigious velocity down the stream. This species of navigation is not managed by locks or flood-gates ; but a dam is made across the extremity of the upper canal, by means of a very strong and well compacted wall, the top of which is level with the surface of the upper water. A beam of wood is laid on the upper edge of the wall, which is rounded off towards the water. Beyond the wall a sloping plane, of stone work, extends to the lower canal, in the form of a glacis, with an inclination of about forty-five degrees, and descending near ten feet in perpendicular depth, at the bottom of which the canal is carried along as the level of the country will allow ; when another wall and glacis, for another canal still lower, are constructed as before.

In passing from an upper to a lower canal,

the vessel lifted over the cross beam slides down by its own gravity; and to prevent the water from flushing over the decks, or her plunging into the canal below, a railing is fixed at the head of the vessel about to be launched, before which is placed strong matting, at the time of its descent. To draw up a large vessel from the lower canal along the glacis into the upper canal, requires sometimes the assistance of near a hundred men, whose strength is applied by the means of bars fixed in one or more capstans placed on the abutments, on each side of the glacis. Round the capstans is a rope, of which the opposite extremity is passed round the vessel's stern, which is thus conveyed into the upper canal with less delay than can be done by locks, but by the exertion of much more human force: a force indeed which, in China, is always ready; of little cost; and constantly preferred there to any other.

After the Chu-san party had proceeded about three days, they arrived at the city of Loo-chung, where they changed their inland barges for junks of about sixty tons burden each, neatly fitted up for passengers; but constructed for salt-water navigation, and lying on a river into which the tide flowed beyond Loo-chung. "Nothing could be more pleasing or romantic," says

Captain Mackintosh, "than the scenes that offered as they sailed from thence to Nimpo near Chu-san, on a river of the breadth of the Thames between London and Woolwich, meandering through the most fertile vallies, bounded by hills of various forms and heights, and some stupendous mountains."

On going ashore, Sun-ta-zhin introduced the party to the principal mandarines of the district, to whose particular care he recommended them. He also gave strict directions that the Hindostan should be exempted from the usual duty, which is considerable upon foreign ships; and likewise that Captain Mackintosh and his officers should be allowed to purchase, duty free, whatever goods they chose as a cargo back to Europe: exemptions which he declared should equally extend to the port of Chu-san, and to that of Canton, as, indeed, they did, as far as related to the duties payable to the Emperor. Captain Mackintosh was anxious to receive Sun-ta-zhin on board the Hindostan, lying in the harbour of Chu-san, in order to pay him such a compliment there as he really merited, and which would probably be acceptable to him; but that most respectable mandarine, already somewhat indisposed, and fearful of the odour of an Eng-

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lish vessel, and anxious likewise to return, quitted the party near Nimpo, after giving to each of the gentlemen some handsome presents on behalf of the Emperor, and shaking Colonel Benson and Captain Mackintosh heartily by the hand in the English manner, as a mark of his cordiality and good wishes for them. They reached the Hindostan next day, being near a week after they had quitted Han-choo-foo, which is distant from Chu-san about one hundred and fifty-six miles.

The Ambassador and the Viceroy quitted Han-choo-foo very soon after Sun-ta-zhin and the other party. The route to Canton lay upon the river Chen-tang-chaung, the course of which was from the south-west. While the Embassy proceeded through the city to the place of embarkation, umbrellas of ceremony, denoting dignity, were carried, for the first time, before it. Along the strand were drawn up two very considerable bodies of Tartar cavalry, in superb and varied dresses. They had a spirited and warlike appearance.

"On most occasions," Captain Parish observes, "the cavalry carry bows, which appear to be the weapon held highest in estimation. They are made of elastic wood, strengthened by horns

“ which are connected in the centre by their
“ roots, from whence they spring in distinct
“ arches towards the extremities. The string
“ is of silk threads laid together and firmly
“ woulded. The strength of the bows vary from
“ about sixty to one hundred pounds. The ar-
“ rows are perfectly well turned and feathered.
“ They are armed at the points with a shank
“ and spear of steel. Both Chinese and Tartars
“ value themselves on their skill in the use of
“ this weapon. They hold it somewhat ob-
“ liquely in the left hand. The string is placed
“ behind an agate ring upon the right thumb,
“ the first joint of which is bent forward and
“ kept in that position by pressing the middle
“ joint of the fore-finger upon it. In this situa-
“ tion the string is drawn till the left arm is ex-
“ tended, and the right hand passes the right ear.
“ The fore-finger is then withdrawn from the
“ thumb, which instantly forces the string from
“ the agate ring, and discharges the arrow with
“ considerable force. The armour consisted of
“ an helmet of iron, in the form of an inverted
“ funnel: the crest, corresponding to the pipe of
“ the funnel, stands six or seven inches above
“ the head, and terminates in a spear. It is sur-
“ rounded by a red tassel. The neck is secured

"by a piece of cloth stuffed, quilted, and studded
"with iron, which hangs forward round the
"face. On the body is an upper and an under
"dress of cloth, also quilted and studded with
"iron; the latter reaches below the calves of the
"legs, the former only a little below the waist.
"This dress seemed to have the inconvenience,
"without the advantages, of armour. The offi-
"cers had their helmets polished and ornamented
"with gold, with a higher crest than those of
"the men. Their bodies were covered with
"purple or blue silk, with studs of gold or gilt.
"Their boots were of black satin. Another
"description of the troops are armed with swords
"only, whose dress is called the tiger dress. It
"is of yellow cloth with dark brown stripes, fitted
"to the shape; the cap, which nearly covers
"the face, is formed to represent the head of a
"tiger. They carry a shield of bamboo or
"rattan, painted hideously to represent dragons'
"or tigers' heads, with open mouths and enor-
"mous teeth; and much stress is laid upon this
"terrific appearance. On each flank of the pa-
"rade a trophy of wood was erected, painted or
"covered with pieces of silk or cotton of bright
"colours in festoons. Under these were the
"military mandarines. The music was in tents
"fitted for the purpose. The trumpets, appa-

“rently the proper military instrument, were
“very large. The usual compliment consisted
“of three distinct blasts.”

All the troops saluted the Ambassador as he passed to the covered barge intended for him in his new route. Those barges were sharp built both fore and aft, flat bottomed, about twelve feet broad, and seventy feet in length. They sailed well, with cotton sails, and drew very little water. One, inferior in decoration to that for the Viceroy, was at first prepared for his Excellency; but the Viceroy chose that there should be no sort of difference between them: saying, that “such a distinction would be
“more discreditable to him than to the Embas-
“sador.”

The number of craft of all kinds on the part of the river near the city was immense: but they were all conducted without confusion. The watermen were uncommonly expert; and it was not unusual to see a large boat entirely managed by one man, who rowed, sailed, steered, and smoked his pipe at the same time. He held the sheet or strong rope belonging to the sail with one hand, he steered the boat with the other, and with his foot he pulled an oar, which he feathered at every stroke as neatly as could be done by the hand.

A brisk and favourable breeze enabled the barges to make no inconsiderable progress against the current of the river for some time without the aid of trackers. The Embassy passed by a military post, near which were displayed about a dozen iron guns, from two to four pounders, of a clumsy and heavy make: the thickness of the metal at the mouth being equal to the bore of the gun. They seemed scarcely fit for service, tho preserved at that time with great care, each under a wooden roof.

The river became soon contracted, and was carried through a defile formed between ranges of high hills, whose sides were indented by deep glens, separated from each other by narrow and parallel ridges of naked rock. A chain of granite mountains begins, indeed, at Han-choo-foo, with a direction to the southward. The gates and pavement of the city are formed of granite taken from thence. The small intervening valleys were richly cultivated, and highly picturesque. The succeeding scene exhibited the contrast of an extensive plain richly and variously cultivated on one side of the river, and on the other, mountains rising suddenly from the water, and apparently higher than any in Great Britain. The large-leaved chesnut and purple-leaved tallow tree, grew in great abundance, and

were opposed to the deep green of the towering larch, and the shining leaves of the thick and spreading camphor tree; young shrubs of which have been already mentioned to be growing in the botanic garden at Batavia. It is the only species of the laurel genus growing in China, and is there a large and valuable timber tree. It is used in the best buildings of every kind, as well as for masts of vessels; and bears too high a price to allow of any part except the branches being cut up for the sake of the drug, called also camphor, which it affords. This substance is obtained either by boiling the branches, twigs, and leaves, in water, upon the surface of which it is found swimming in the form of an oil; or adhering, in a glutinous form, to a wooden rod with which the boiling matter is constantly stirred. The glutinous mass is then mixed with clay and lime, and put into an earthen vessel, with another of the same size properly luted over it; the lower vessel being placed over a slow fire, the camphor gradually sublimes through the clay and lime, and adheres to the sides of the upper vessel, forming a cake of a shape corresponding to the cavity which received it. It is, however, less pure and much weaker than what is discovered in a solid state among the fibres of the trunk, as turpentine is found in

different sorts of pines. In the great, but ill-peopled, island of Borneo, and also in Japan, the camphor tree is felled for the sole purpose of finding this costly drug in substance among the splinters of the trunk, in the same manner as other trees are felled in Louisiana, merely for collecting the fruit they bear upon their summits. The Borneo, or Japan camphor is pure, and so very strong, as readily to communicate much of its odour and part of its virtues to other inspissated oils, which thus pass for real camphor; and this adulterated drug is sold by Chinese artists at a vastly lower price than they gave themselves for the genuine substance from Borneo or Japan. The tallow tree grows generally near, and the camphor further from, the banks of the river. Great quantities of the *arbor vitæ*, or thuya, grew to a prodigious height in the valley in which stands the city of Yen-choo-foo. The river beyond that place became so shallow, that tho the barges were less than one foot water, it was necessary for the bargemen to force them forward by mere bodily labour; and, at length, several of the servants were employed in removing the pebbles covered with the green conserva, which formed the bottom of the river, in order to make an artificial channel for the passage of the barges.

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Those pebbles consisted chiefly of fragments of quartz and siliceous stones.

While thus delayed, the boats were overtaken by two genteel young men, who were curious to see the Ambassador, and followed him from Han-choo-foo. They were honoured themselves with the same office from the King of the Leoo-koo islands. Their dress was a very fine sort of shawl, manufactured in their own country, dyed of a beautiful brown colour, and lined with the fur of squirrels, the fashion was nearly Chinese. They wore turbans, one of yellow, the other of purple, silk, neatly folded round their heads. They had neither linen nor cotton in any part of their dress that could be perceived. These young men were well looking, tho' of a dark complexion, well-bred, conversible, and communicative. They had just arrived at Han-choo-foo in their way to Peking, where their chief sends delegates regularly every two years, charged to offer the tribute, and pay homage from their master, to the Emperor. They landed at the port of Emouy in the province of Fo-chen, which alone was open to those strangers. They understood Chinese; but had also a proper language of their own. They said, that no European vessel had, to their recollection, ever touch-

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at any of their islands; but that, should they come, they would be well received; that there was no prohibition against any foreign intercourse; that they had a fine harbour, capable of admitting the largest vessels, at a little distance from their capital, which was considerable in extent and population; that they raised a coarse kind of tea; but far inferior to that of the Chinese; and had many mines of copper and iron; but none of gold or silver had been discovered.

From the geographical position of those islands, they should, if dependent, naturally belong to the Chinese or the Japanese. The latter were indifferent about them, but the former first sent an embassy to them, to explore their strength and situation, and afterwards an expedition against them, which reduced them to a tributary state. Upon the decease of the prince, his successor receives a sort of investiture or confirmation from the Emperor of China.

In a short time after the present Embassy proceeded on its journey, the hills receded somewhat from the river, which widened, and at the same time became less shallow. The vallies along the river were cultivated chiefly in sugar canes, which were almost ripe, and about eight feet high. Those canes were then about a year's growth; and being

longer jointed, with an equal diameter, contained probably more juice than those of the West Indies. The joints of the former were generally about six inches in length, those of the latter seldom more than four. The cane plantations in China belonging to individuals, were of very little extent ; and the expence of erecting sugar mills too heavy to have one upon each plantation. The business of extracting the juice of the cane, and of boiling it into sugar is, there, a separate undertaking from that of him who cultivated the plant. The boilers of sugar travel about the country, with a small apparatus sufficient for their purpose, but which a West India planter would consider as inefficacious and contemptible. It is not a matter of great difficulty to travel with this apparatus, as there are few plantations of which some part is not accessible by water-carriage. A few bamboo poles and mats, are deemed sufficient for a temporary building; within which, at one end, is fixed a large iron cauldron, with a fire-place and flue, and about the middle a pair of cylinders or rollers, fitted vertically in a frame. These are sometimes of hard wood, and frequently of stone. When of the former, about six or eight inches of the upper extremities are cut into oblique cogs

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which work into each other; and, if of the latter, wooden collars with teeth in them are fastened round the upper extremities of the stones. Upon the top of the axis of one of the cylinders prolonged above the frame, are fixed two shafts or levers, curved in such a manner as to clear the frame in turning round the rollers; and to the end of these shafts are yoked two buffaloes, who moving round as in a common cattle mill, press the canes between the cylinders, and express their juice, which is conveyed through a tube into the cauldron. The canes, deprived of their juices, become fit fuel, by means of which those juices are boiled into a proper consistence for granulation. The boiler of sugar endeavours to enter into an agreement with several planters at a time; so that his works, erected near the centre of their several plantations, may serve them all without changing his establishment. During the time he is employed, the servants and children of the planter are busily engaged in carrying canes to the mill.

The canes are planted very regularly in rows; and the earth carefully heaped up about the roots. As in the West Indies, so in China, the people employed in the fields during this season, are observed to get fat and sleek, and many of the

Chinese slaves and idle persons are frequently missing about the time that the canes become ripe, hiding themselves, and living altogether in the plantations. Under the roots of the canes is found a large white grub, which, fried in oil, is eaten as a dainty by the Chinese.

In the neighbourhood of the canes were likewise several groves of orange trees. Of the fruit of that tree there was a great variety in size and colour. Some smaller than the Portugal orange, and some as large as any produced in the West Indies; but the sweetest and richest was a deep red orange, preferred to every other, and easily distinguishable by its pulp adhering to the rind only by a very few slight fibres. Most kinds of fruit were served to the travellers in profusion. The desert generally consisted of grapes, oranges, apples, pears, chesnuts, walnuts, pomegranates, melons, and a kind of dates. The Chinese want some European fruits, such as gooseberries, currants, raspberries, and olives; but abound in others, such as the see-chee, and the lee-chee, which are not produced in Europe. The see-chee is a flat, soft, reddish fruit, with a smooth skin, containing a slight acid pulp, with a kernel in the middle. The fruit is of the size of a middling orange, and looks as if flattened

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by weight from a globular form. The lee-chee is not much bigger than a large cherry, with a skin full of soft prickles. The taste of the pulp is tart; and it covers a kernel, in proportion, large. The lee-chee is often preserved, and in that state has somewhat of a sweet taste.

The pines which bear large cones have kernels much relished by the Chinese, as they are by the inhabitants of Italy. Every mountain, either too steep or too rocky to be applied to any other use, is planted to the top in various kinds of pines, but most generally with the larch, as preferred for the purposes of building.

On the sides and tops of earthen embankments dividing the garden grounds, and groves of oranges, the tea plant was for the first time seen growing like a common shrub scattered carelessly about. In China, wherever it is regularly cultivated, it rises from the seed sown in rows, at the distance of about four feet from each other, in land kept free from weeds. It is seldom sown on flat or marshy ground, which is reserved for rice. Vast tracts of hilly land are planted with it, particularly in the province of Fo-chen. Its perpendicular growth is impeded, for the convenience of collecting its leaves, which

is done first in spring, and twice afterwards in the course of the summer. Its long and tender branches spring up almost from the root without any intervening naked trunk. It is bushy like a rose-tree, and the expanded petals of the flower bear some resemblance to that of the rose. Every information received concerning the tea plant concurred in affirming that its qualities depended both upon the soil in which it grew, and the age at which the leaves were plucked off the tree, as well as upon the management of them afterwards. The largest and oldest leaves, which are the least esteemed, and destined for the use of the lowest classes of the people, are often exposed to sale with little previous manipulation, and still retaining that kind of vegetable taste which is common to most fresh plants, but which vanishes in a short time, whilst the more essential flavour, characteristic of each particular vegetable, remains long without diminution. The young leaves undergo no inconsiderable preparation before they are delivered to the purchaser. Every leaf passes through the fingers of a female, who rolls it up almost to the form it had assumed before it became expanded in the progress of its growth. It is afterwards placed upon thin plates of earthen ware or iron, made

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much thinner than can be executed by artists out of China. It is confidently said in the country, that no plates of copper are ever employed for that purpose. Indeed, scarcely any utensil in China is of that metal, the chief use of which is for coinage. The earthen or iron plates are placed over a charcoal fire, which draws all remaining moisture from the leaves, rendering them dry and crisp. The colour and astringency of green tea, is thought to be derived from the early period at which the leaves are plucked, and which, like unripe fruit, are generally green and acrid. The tea is packed in large chests lined with very thin plates of lead, and the dried leaves of some large vegetable. It is too true, that the tea is pressed down into those chests by the naked feet of Chinese labourers, as grapes are pressed by the wooden shoes of European peasants; in which last case, the juices are purified by the subsequent fermentation. Notwithstanding this uncleanly operation of Chinese packers, the upper ranks in China are as fond of tea as the people are, and particularly solicitous in their choice of it. That of a good quality is dearer in Peking than in London. It is sometimes made up into balls, as has been already mentioned. A strong black extract also,

is frequently made from it. Many virtues are attributed to tea, which is in universal use throughout the empire. The warm infusion of any aromatic herb is, no doubt, likely to be grateful to persons exhausted by fatigue, frequently occasioning a violent perspiration; as well as to stomachs labouring with indigestion. One of the best qualities, perhaps, of it is, that the taste for it and the habit of drinking it, at all times lessen the relish for fermented and inebriating liquors. The poor infuse the same leaves several times over. This plant is cultivated in many of the provinces of China, but seldom more northerly than thirty degrees beyond the Equator. It thrives best between that parallel and the line that separates the temperate from the torrid zone; tho it is to be found also in the Chinese province of Yunnan, within the tropics. Several specimens of the tea plant, and of others chiefly cultivated in China, were procured by the Ambassador and sent to Bengal, in some parts of which his Excellency had been informed were districts adapted for their cultivation. Such immense quantities of tea are consumed in China, that a sudden failure of a demand from Europe, would not be likely to occasion any material diminution of its prices at the Chinese markets;

tho it might be attended with inconvenience to the particular cultivators who are in the habit now of supplying the Canton merchants with that article for exportation.

A plant very like the tea flourished, at this season, on the sides and the very tops of mountains, where the soil consisted of little more than fragments of stone, crumbled into a sort of coarse earth by the joint action of the sun and rain. The Chinese call this plant cha-whaw, or flower of tea, on account of the resemblance of one to the other; and because its petals, as well as the entire flowers of Arabian jessamine are sometimes mixed among the teas, in order to increase their fragrance. This plant, the cha-whaw, is the *camellia sesanqua* of the botanists, and yields a nut, from whence is expressed an esculent oil equal to the best which comes from Florence. It is cultivated on this account in vast abundance; and is particularly valuable from the facility of its culture, in situations fit for little else.

From the river were seen several excavations, made in extracting from the sides of the adjoining hills, the pe-tun-tse, useful in the manufacture of porcelain. This material is a species of fine granite, or compound of quartz, feldspath, and mica, in which the quartz seemed to bear

the largest proportion. It appears from several experiments, that it is the same as the growan-stone of the Cornish miners. The micaceous part in some of this granite from both countries, often contains some particles of iron, in which case it will not answer the potter's purpose. This material can be calcined and ground much finer by the improved mills of England, than by the very imperfect machinery of the Chinese, and at a cheaper rate, than the prepared pe-tun-tse of their own country, notwithstanding the cheapness of labour there.

The kao-lin, or principal matter mixed with the pe-tun-tse, is the growan-clay also of the Cornish miners. The wha-she of the Chinese is the English soap-rock; and the she-kan is asserted to be gypsum. It was related by a Chinese manufacturer in that article, that the asbestos or incombustible fossil stone, entered also into the composition of porcelain. A village or unwalled town called Kin-te-chin, was not very far distant from this part of the present travellers' route, in which three thousand furnaces for baking porcelain, were said to be lighted at a time, and gave to the place, at night, the appearance of a town on fire. The genius or spirit of that element is, indeed, with some propriety,

the principal deity worshipped there. The manufacture of porcelain is said to be precarious, from the want of some precise method of ascertaining and regulating the heat within the furnaces, in consequence of which, their whole contents are baked sometimes into one solid and useless mass. Mr. Wedgwood's thermometer, founded on the quality, observed by him, and already mentioned in this work, of clay contracting in proportion to the degree of fire to which it is exposed, might certainly be of use to a Chinese potter.

After sailing a few days up the river Chen-tang-chaung, the weather, almost for the first time since the arrival of the Embassy in China, became wet and gloomy. The travellers had been long enough from England, to be surprised to see a day passing in November without any appearance of the sun. While they were on the grand canal, they sometimes experienced boisterous, but seldom rainy weather. The temperature of the air was likewise uncommonly cold, in a latitude less than thirty degrees from the equinoctial line. They were, indeed, in a country of mountains, between which the winds were hemmed in a narrow passage, and excited sensations of cold in consequence of their acce-

lated motion. It was also about the season of the change of the monsoons, which is constantly attended by violent storms of thunder, wind, and rain, extending even to this inland province. Fahrenheit's thermometer was sometimes early in the day so low as forty-eight.

At the town of Chan-san-shen, the river ceased entirely to be navigable. This river takes its rise in a range of mountains which inclose that town on several sides. Its whole course does not exceed two hundred miles : being generally through a hilly and little frequented country; and it has no communication with any considerable road, river, or canal, until it reaches Han-choo-foo. Fewer vessels of any kind are seen upon it, than in any other part of the empire where the Embassy had passed by water; and, indeed, it was less adapted for navigation; but even here, the remotest spot was cultivated and populous. Below Han-choo-foo the river was very much enlarged, and crowded with vessels of every kind passing to and from the Eastern sea.

Another river takes its rise to the southward of the same mountains, on which the Embassy was to embark, after passing by land over the intermediate space. The great road from Peking

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to Canton lay through Nan-kin, the ancient capital of the empire; but the necessity of going to Han-choo-foo, between which and Canton the intercourse by land was rare, led the present travellers thro routes perhaps untrod by Europeans before. They had, therefore, a fair opportunity of observing the real state of some of the interior parts of the country.

The amicable visits between the Viceroy and the Ambassador were repeated in their covered barges, as well as on the day during which preparations were making for their journey by land. From the Viceroy's station as governor of two great provinces, and from his kindred to the Emperor, no subject in China could be higher, or was entitled to more profound forms of respect from all other classes of Chinese; but his meek mind seemed to shun all show of superiority. He insisted both on Chow-ta-zhin and Van-ta-zhin sitting in his presence, who were thus enabled to assist at the interviews he had with his Excellency; nor was the Chinese interpreter under any constraint before him. He succeeded to Sun-ta-zhin in a regular and almost daily correspondence with the Emperor, from whom he conveyed several gracious messages to the Ambassador. The conversation with the Viceroy

turned frequently on the grievances to which foreigners, and particularly the English, were subjected at Canton. His natural benevolence disposed him to attend to such complaints; and Chow-ta-zhin, whom he had taken into his confidence, and upon whose attachment the Ambassador had reason to rely, undertook to explain and press the matter to him in private. It might be advantageous, likewise, that the remonstrances thus made might, in the Viceroy's private dispatches written during the journey, reach his Imperial Majesty unmixed with other subjects.

The Viceroy and Ambassador were soon informed, that every thing was ready for pursuing their journey. Some little difficulty had, however, occurred in the preparations for it. So numerous a party had seldom passed that way. A proportionate number of horses were not easy to be found at once, in a country where none are used for agriculture, where the lowest classes of people travel on foot, and the highest in palanquins borne by men. The Ambassador's guards in their scarlet plumes, and with shining arms, were considered as gentlemen entitled to be carried. The Chinese thought it necessary, indeed, to provide some kind of carriage for every European belonging to the Embassy. The defi-

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ciency of horses was supplied by chairs, to which bamboo poles were fastened, and those poles carried on men's shoulders. Several of these men with their tattered garments, and straw hats and sandals, were however so meagre, and looked so much weaker than those they carried, that many of the latter, blushing at the contrast, quitted their vehicles, and continued their route on foot. The road was first over rising grounds, and afterwards in narrow vallies, and through low and morassy rice grounds, over a causeway raised between two stone walls, and covered with fine gravel, brought from the neighbouring mountains. No wheel carriages being used in this part of the country, the causeway was narrow, but perfectly smooth and level. To the southward of the road, were several round and steep conical hills detached from each other, covered with grass and shrubs, and of so regular a figure, and of so uniform a slope from the summit to the base, that they had the appearance of having been formed by art. They consisted of blue coarse-grained limestone. Beyond these were quarries, out of which were dug stones beautifully white and shining. They consisted of quartz in its purest state, and were used, in the manufacture of porcelain, for pe-tun-tse, by the Chinese.

Throughout this short land journey, and far from all great roads, not a mile was travelled without a village; nor a spot observed, except mere rocks, or perpendicular heights, that was not under cultivation. The villages were not surrounded by walls, but were adorned with handsome gateways at their extremities. The rocky places appeared to have been denuded of the earth which had covered them formerly, in order to place it on a surface where it might become more conveniently a medium for the nutriment of plants. Where the face of the hill or mountain is not nearly perpendicular to the level surface of the earth, the slope is converted into a number of terraces one above another, each of which is supported by mounds of stone. By this management it is not uncommon to see the whole face of a mountain completely cultivated to the summit. These stages are not confined to the culture of any particular vegetable. Pulse, grain, yams, sweet potatoes, onions, carrots, turnips, and a variety of other culinary plants, are produced upon them. A reservoir is sunk in the top of the mountain. The rain water collected in it is conveyed by channels successively to the different terraces placed upon the mountain's sides. In spots too rugged, bar-

ren, steep, or high for raising other plants, the camellia sesanqua, and divers firs, particularly the larch, are cultivated with success.

The collection of manure is an object of so much attention with the Chinese, that a prodigious number of old men and women, as well as of children, incapable of much other labour, are constantly employed about the streets, public roads, banks of canals and rivers, with baskets tied before them, and holding in their hands small wooden rakes to pick up the dung of animals, and offals of any kind that may answer the purpose of manure; but above every other, except the dung of fowls, the Chinese farmers, like the Romans, according to the testimony of Columella, prefer soil, or that matter which is collected by nightmen in London, in the vicinity of which it is, in fact, applied to the same uses; it has already been alluded to in describing a vicar to the Lowang peasant, in a former part of this work. This manure is mixed sparingly with a portion of stiff loamy earth, and formed into cakes, dried afterwards in the sun. In this state it sometimes becomes, an object of commerce, and is sold to farmers, who never employ it in a compact state. Their first care is to construct cisterns for containing, besides those cakes

and dung of every kind, all sorts of vegetable matter, as leaves, or roots, or stems of plant, mud from the canals, and offals of animals, even to the shavings collected by the barbers. With all these they mix as much animal water as can be collected, or of common water, as will dilute the whole; and in this state, generally in the act of putrid fermentation, they apply it to the ploughed or broken earth. In various parts of a farm, and near paths and roads, large earthen vessels are buried to the edge, in the ground, for the accommodation of the labourer or passenger who may have occasion to use them. In small retiring houses, built also upon the brink of roads, and in the neighbourhood of villages, reservoirs are constructed of compact materials to prevent the absorption of whatever they receive, and straw is carefully thrown over the surface from time to time to stop the evaporation. And such a value is set upon the principal ingredient for manure, that the oldest and most helpless persons are not deemed wholly useless to the family by which they are supported.

The quantity of manure collected by all these means, must however be still inadequate to that of the cultured ground, which bears so vast proportion to the whole surface of the country

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It is reserved, therefore, in the first instance, for the purpose of procuring a quick succession of culinary vegetables, and for forcing the production of flowers and fruit. Among the vegetables raised most generally, and in the greatest quantities, is a species or variety of brassica, called by the Chinese Pe-tsai, or white herb, which is of a delicate taste, somewhat resembling what is called coss-lettuce, and is much relished in China by foreigners as well as natives. Whole acres of it are planted every where in the vicinity of populous cities; and it was sometimes difficult to pass on a morning through the crowds of wheel-barrows and hand-carts loaded with this plant going into the gates of Pekin and Han-choo-foo. It seems to thrive best in the northern provinces, where it is salted for winter consumption, and in that state is often carried to the southward and exchanged for rice. That grain and that herb, together with a relish of garlick or of onions, in room of animal food, and followed by a little infusion of coarse tea, serve often as a meal for a Chinese peasant or mechanic. The husbandman in China always steeps the seeds he intends to sow in liquid manure, until they swell, and germination begins to appear, which experience, he says, has taught him, to have the effect of hastening the growth of plants, as well as of defending

them against the insects hidden in the ground in which the seeds were sown. Perhaps this method has preserved the turnips in China from the fly that is often fatal to their growth elsewhere. To the roots of plants and fruit trees the Chinese farmer applies liquid manure likewise, as contributing much towards forwarding their growth and vigour. The Roman author, already quoted in this chapter, relates, that a similar practice had much improved the apples and vines of Italy.

The great object of Chinese agriculture, the production of grain, is generally obtained with little manure, and without letting the land lie fallow. It is true, that there are plants, such as a species of the epidendron, that is capable of vegetating in air alone. Others, as bulbous roots and succulent plants, which thrive best in sand, and a great variety in water; but with those exceptions, virgin or vegetable earth is the proper bed of vegetation; and whatever may be the theory of the agricultural art, its practice certainly requires that there should be given to the soil such a texture and consistency as may be found most suitable to the plants intended to be raised. Such a texture may, in most cases, be obtained by the application of manures, being generally a mixture of animal and vegetable substances that

have undergone the putrefactive fermentation. A mucilage is thus formed which, besides any other changes it may produce, is found to give a new consistence to the soil with which it comes in contact, to render clay more friable, and to give tenacity to light and sandy soils; as well as to maintain in both a proper degree of temperature and humidity.

A mixture of earths in due proportion has been sometimes substituted with success in the deficiency of manure. Thus marl, which is generally a composition of calcareous earth and clay, and of itself unfavourable to vegetation, has been found to act in certain soils as excellent manure; and a surface of strong loamy clay may, with addition of sand and water, be rendered an advantageous medium for the support of vegetable life.

The Egyptians were early acquainted with the benefits that arise from giving a due degree of consistency to the soil. To this end they regularly strewed a quantity of sand upon the lands which the sediment deposited by the inundations of the Nile had rendered rich and adhesive to excess. Sea sand is likewise the best addition for this purpose; for salt, which is so well known, and used, on account of its antiseptic qualities,

when employed in a large proportion, and is then injurious to the fertility of all soils, produces contrary effects when sparingly strewed upon animal or vegetable substances; as is the case in the particles of sea sand, when it tends to promote the putrefactive fermentation, which is favourable to vegetation.

By practices similar to all these, the Chinese supply the deficiency of manure. In suiting the texture of the soil to the nature of the plant to be raised from it, they indeed, are indefatigable. They are constantly changing earth from one piece of ground to another; mixing sand with that which they find to be too adhesive; and clay or loam where the soil appears too loose; and having thus given to their land the consistency it required, their next care is to prevent it from becoming dry and rigid, that the circulation of the juices may not be obstructed. Almost every part of the country being intersected by rivers and canals, abundance of water is always near at hand; and it remained only for them to contrive the means of conveying as much of it as was necessary to the planted grounds. By such means they reap full and constant crops without fallowing, and sometimes without manure.

The irrigation of lands in China is reduced to

a system, and is considered as a leading principle of agricultural skill. Besides the methods of lifting and conveying water already mentioned, as practised among the husbandmen in China, another, more effectual, and ingenious, is their chain pump. The machine of that name so common now in an improved state on board of English ships of war, differs principally from the Chinese pump, in the circumstance of the European pump being worked thro cylindrical chambers, whereas in China they are universally square. Most Eastern nations seem to have been acquainted at an early period with the machine for raising water known by the name of the Egyptian wheel, which was however unknown in Europe till the Saracens introduced it into Spain, in an imperfect state, and under a very awkward form: being little more than wisps of hay tied to a rope which turned upon a wheel; one part of which being immersed in the water, each wisp imbibed a portion of that fluid, and discharged it at the upper surface of the wheel; but the Chinese pump consists of a hollow wooden trunk, divided in the inside along the middle by a board into two compartments. Flat and square pieces of wood, corresponding exactly to the dimensions of the cavity of the trunk, are fixed to a

chain which turns over a roller or small wheel placed at each extremity of the trunk. The square pieces of wood fixed to the chain move with it round the rollers, and lift up a volume of water equal to the dimensions of the hollow trunk, and are therefore called the lifters. The power used in working this machine is applicable in three different ways. If the machine be intended to lift a great quantity of water, several sets of large wooden arms are made to project from various parts of the lengthened axis of the rollers, over which the chain and lifters turn. Those arms are shaped like the letter T, and each is made round and smooth for the foot to rest upon. The axis turns upon two upright pieces of wood, kept steady by a pole stretched across them. The machine being fixed, men, treading upon the projecting arms of the axis, and supporting themselves upon the beam across the uprights, communicate a rotatory motion to the chain, the lifters attached to which draw up a constant and copious stream of water. The chain pump is applied to the purpose of draining grounds, transferring water from one pond or cistern to another, or raising it to small heights out of rivers or canals.

Another method of working this machine is by yoking a buffalo or other animal to a large

horizontal wheel, connected by cogs with the axis of the rollers, over which the lifters turn. This mode was observed by the present travellers only at Chu-san.

A small machine of this kind is worked merely by the hand, with the assistance of a trundle and simple crank, such as are applied to a common grindstone, and fixed to one end of the axis of the chain pump. This last method is general throughout the empire. Every labourer is in possession of such a portable machine: an implement to him not less useful than a spade to an European peasant. The fabrication of those machines gives employment to a great number of artificers.

Through the whole of this short land journey, not a spot was seen that was not cultivated with industry. The soil in many places was indifferent; but the people were in proportion active in their efforts to fertilize it. On the small terraces, the hoe served the purpose of a plough in turning up the soil. The husbandry was singularly neat. Not a weed was to be seen. The Chinese are said to use the drill plough in some of the provinces; but the plough which the present travellers had an opportunity of observing, was the simplest possible. It is drawn by a single

buffalo, and managed by a single person. It has but one handle, and no coulter, which is deemed unnecessary, as there is no lea ground, and consequently no turf to cut through in China.

The inns are common in the great roads of China, so few travellers passed through this part of the country, that no houses of that kind were to be found which were thought fit for the reception of the Embassy, in the town where they arrived at night. It was situate upon the banks of the river, where the party was to embark the next day. The public building in which the young men of the district were examined for their degrees, was now provided for the strangers; and it was quickly rendered sufficiently commodious for that purpose.

The examinations of students for degrees are said to be always public. The body of auditors who attend, as well as the presence of the governor and chief magistrates of the district, who preside, must awe any disposition to partiality in the judges. Some oral questions are put, and some are given in writing, to the candidates, as in English colleges. The rewards of those who succeed, are not confined to the honours of the university; for these become the ascending steps which lead to all the offices and dignities of the

state. Even those who fail in the main pursuit, have, in the prosecution of the contest, made such acquirements as fit them for useful avocations, and add to the general mass of knowledge in society. A method also of advancement so open to all classes of men, tends to reconcile them to the power, from attaining which no individual is precluded. Tho the opulent youth have no doubt greater facilities and better opportunities of instruction, than the children of the poor, yet genius may have occasionally the strength to counterbalance such disparity; and at any rate, the possibility of success is an enjoyment even to those who are never likely to obtain it. The general persuasion, likewise, that authority has been acquired thro merit, must contribute to insure respect and obedience to it, unless a gross abuse of it should take place; against which the possession of abilities and knowledge is not always a security. Such a system of government promises indeed great benefits to society; and can fail only when the temptation to do evil is greater than the strength of principle and the risk of being detected in the sacrifice of it. The poor and private individuals in China, who have no means of communicating their complaints, or declaring their sentiments on the conduct of

their particular rulers, are left in great measure at their mercy; and foreigners, when in the same predicament, are equally liable to suffer. The Ambassador therefore took every opportunity, which his acquaintance with the Viceroy, and the latter's own honourable disposition furnished him, of impressing upon his mind the necessity of his protecting the strangers at Canton from the oppressions of the Hoppo or collector of the customs, and other inferior officers connected with the commerce of that port. The Viceroy was guarded in his promises, but seemed sincere in his intentions of doing all the good he could.

Upon a subsequent visit, the Viceroy said to the Ambassador that he was well aware of the pains that would be taken to impress his mind against the British nation by many of the people he was going to govern; but that he thought not only justice to the English, but the honour of his country, required a change in its conduct towards them. Yet considerable as was the authority intrusted to him, and firm as his footing might be supposed, his situation was not without its difficulties. Beside the men in office at Canton, interested in preventing the redress of the grievances occasioned by themselves, and accustomed

to treat foreigners with contempt as well as with injustice; they had also prejudiced enemies at court, particularly his own predecessor, who might consider reform, as a censure upon him who had suffered the abuse; but beside all these, another consideration of weight dwelt upon his mind; for he was aware of the peremptory style in which requests, made by his Excellency at Pekin, had been refused by the prime minister Ho-choong-taung. He knew not how such a refusal might be represented by the Ambassador to the court of Great Britain; but that if he endeavoured to excite resentment there, any future appearances of such resentment against his country would render the Viceroy criminally answerable in the eyes of his own government, for any favour shewn by him to the English in the mean time; and that he wished to be perfectly satisfied in that respect. The Ambassador was not quite certain that this apprehension had sprung from the Viceroy's own mind. It might have arisen from a still higher source; but, at any rate, it was an indication, that from a sense of the English land forces in India, and of their strength every where by sea, the British nation was felt to be too powerful not to require some management towards it, even from the proud empire of China. His

Excellency acknowledged to the Viceroy that he had entertained some doubts of the disposition of the court or ministers of Peking towards his country; but in consequence of the explanations which the Emperor's minister who accompanied him to Han-choo-foo, as well as he, the Viceroy, gave him of his Imperial Majesty's real sentiments; he relied on the assurances that were thus solemnly made to him of a particular attention to the interests of the British subjects in China, and had expressed already this reliance in the accounts which he had transmitted of his negotiation from Han-choo-foo to the English government, which he doubted not, would confide in the accomplishment of the promises made to him. The Viceroy then asked the Ambassador if he could authorize him to promise a proof of the continuance of his good disposition, by the King's writing soon to his Imperial Majesty, and by sending again a minister to China, if the Emperor were disposed to allow of such, not with the parade and expence of the present Embassy, but simply as a testimony of the subsisting friendship of his Britannic Majesty. To this unexpected proposal, his Excellency ventured to answer by saying, that the King would probably have no difficulty in writing to the Emperor, to acknowledge the

presents sent by him, and to thank him for the honourable reception of the Embassy : a circumstance distinct from the objects of it, all of which he still hoped might be brought about in time ; but that the distance of the two empires from each other, and the uncertainty of sea voyages rendered it impracticable to ascertain the period of the arrival of a new Embassy. The Viceroy concluded the conversation by saying, that he would immediately dispatch a courier to court, to relate the substance of the conference ; together with such suggestions from himself as would, he trusted, give perfect satisfaction to the Emperor on all points.

The party had scarcely embarked anew, when the violence of the wind and rain either retarded or entirely stopped their progress. After the showers had ceased, their effect in swelling the river still continued, and its current being favourable, they proceeded rapidly along the stream. About the city of Koang-sin-foo the weather was again wet, cold, and gloomy. The country had also a rude appearance. On each bank of the river were sometimes large masses of naked rock, of vast height, and resembling the rough scenes of nature which had been deemed to be exaggerated in Chinese drawings. The rock was a kind

of dark red freestone, of which regular pieces were sometimes cut out for building, as from a quarry.

The river was become now so large and deep, that the covered barges of the Embassy, necessarily used in shallow water, were changed for larger and more convenient yachts.

Whenever the wind was contrary, or the course of the river winding, or the progress of the vessels of the Embassy otherwise retarded, it was usual for several of the gentlemen belonging to it, to quit their vessels in order to walk along the banks of the rivers or canals; or to strike across the country, in order to observe whatever objects offered to their view, and to obtain every information they were able. Two of the gentlemen, who seldom failed to take such excursions every day, were once very rudely interrupted by a mandarine, attended by some insolent soldiers, and who ordered the strangers to return on board, threatening to send them there by force, unless they would immediately comply. Chow-ta-zhin and Van-ta-zhin, who heard of the circumstance, had the soldiers laid flat on the floor, and held by some of the military attendants, while others were ordered to strike them with a piece of slit bamboo: a punishment

usual in China for small offences. But the persons who were ill treated succeeded in obtaining for the soldiers a remission of that sentence. Chow-ta-zhin, however, lodged a complaint before the Viceroy against the mandarine, who was the principal offender; and could have been actuated in the present instance by no other motive than that of making a wanton abuse of his authority, against persons whom he imagined, as foreigners, to be without protection. Little chance of a mild exertion of power could the unprotected peasants have in the district where that man commanded; but the Viceroy put an end to such command by depriving him of his office, and had likewise corporal punishment inflicted on him.

The punishment of the bamboo, however degrading it must appear to an European, is ordered upon a very summary hearing upon any individual not in the rank of mandarines; and a Viceroy has not only the power of degrading lower officers, but of directing, without the regular form of a trial, any punishments not capital on inferior persons in office. A great proportion of the Chinese are so lowered to their condition, that in those punishments they feel little more than the mere corporal sufferings occasioned by them. The obvious object of the government, in seeking

to maintain the general tranquillity and welfare, seems to have overlooked all precautions for the personal security of individuals. A court of justice is established for trying persons accused of crimes deserving death; but no jury is empannelled to try the fact. The judges lay little stress on oral evidence, unless corroborated by concomitant circumstances, or written documents; tho on lighter charges the accused is suffered to purge himself by an oath administered in a solemn manner, and accompanied by religious ceremonies. Yet torture has been sometimes practised, for the purpose of extorting confession, or the names of accomplices. This practice is the more impolitic in those who order it, as no prudence or innocence can be certain of guarding themselves always against suspicion and accusation; and consequently against suffering an evil worse than death, for the purpose of ascertaining the existence of a crime which is expiated by the sentence, comparatively milder, of the loss of life.

It seldom happens that a capital sentence is inflicted without the confirmation of the Emperor; but it takes place sometimes by order of the Viceroy of the province in cases of emergency, such as rebellion or sedition. If the occasion will permit, criminals for execution are all transferred to

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Pekin, where a revision of the sentence is had before the great tribunal allotted for that purpose; and the usages of the empire, which suppose the sovereign to be endowed with every principle of humanity, require that he should formally consult his council, to know whether he can, without danger to the state, avoid ordering the sentence to be executed.

The execution of all capital criminals takes effect at the same time; and the number, seldom above two hundred, is very small for so vast and populous an empire. In most cases, indeed, fine and imprisonment, flagellation and exile are the usual inflictions, except in crimes against the state or Emperor, or in cases of blood, which admit of no pardon or commutation; nor is there any distinction between murder and manslaughter. Theft is never punished with death; nor is robbery, unless the act be accompanied with personal injury and cruelty. The moderation of such punishment seems to imply the infrequency of the offence; and the fact is really so, except where famine rages, in which case no severity of punishment will prevent the commission of the crime.

The attention of the Chinese government in times of scarcity, however provident and laudable,

and its general regulations, however benevolent and wise, being confined to the measure of procuring supplies from its own provinces, and those not always carried faithfully into execution, are not found to be equal in their effects to those of the interested and judicious watchfulness of speculative merchants in the European world, for relieving the actual or impending wants of individuals; and famine rages oftener in a Chinese province, than in an European kingdom.

In the variety of capital punishments, strangulation is deemed less infamous than decapitation: the separation of any part of the body from the remainder being considered as particularly disgraceful. The punishment of the *cha*, usually called by Europeans the *cangue*, is generally inflicted for petty crimes. It consists of an enormous tablet of wood with a hole in the middle to receive the neck, and two smaller ones for the hands of the offender. It is a kind of permanent and ambulatory pillory, which the culprit is sentenced sometimes to wear for weeks or months together. He is suffered, provided his strength will enable him, to walk about; but he is frequently glad, for the support of his awkward and degrading burden to lean against a wall or a tree. If a servant or a runner of the civil ma-

gistrate takes it into his head that the culprit has rested too long, he beats him with a whip made of leather thongs till he rises.

Instances are reported to have happened where an offender has been allowed to hire another person to undergo punishment in his room. The law, of which the maxims are rational and just, does certainly not warrant it, tho the dispensers of it may; and the piety of a son may, more in China than elsewhere, impel him to suffer pain to save a father from it.

The order and administration of the jails are said to be remarkably good. The debtor and felon are confined in separate prisons, without being permitted to approach each other, as it is thought both impolitic and immoral to associate guilt with imprudence or misfortune, by a promiscuous imprisonment. The two sexes are likewise kept carefully apart. Confinement for debt is only temporary; but if after the delivery of all a debtor's property to his creditors, the demands against him are still unsatisfied, he is liable, besides, to wear a neck yoke in public for a certain period, in order to induce his family, if able, to discharge the debt, and thus put an end to the disgrace. If his insolvency had been incurred by gaming, or other improper conduct, he is

subject to corporal punishment, and exile into Tartary.

A man may sell himself in China in certain cases, such as to discharge a debt to the crown, or to assist a father in distress, or if dead, to bury him in due form. If his conduct in servitude should be unimpeachable, he is entitled to his liberty at the end of twenty years. If otherwise, he continues a slave for life, as do his children, if he had included them in the original agreement. The Emperor's debtors, if fraudulently such, are strangled; if merely by misfortunes, their wives and children, and property of every kind, are sold; and they are sent themselves to the new settlements in Tartary.

In China the interests of the Emperor are always made the first object. No property can be secure against his claims. The preference thus given to the possessor of unlimited power may be considered as the natural consequence of it. Some justification of this preference may likewise be derived from the consideration, that he who is most liable to frauds, ought to have the most effectual means of guarding against, and punishing, the commission of them.

Disputes amongst individuals concerning property do not fill up a large space in the trans-

into action of Chinese affairs. The anxiety of doing justice has not led in that country to the multiplication of forms, and of pleadings in their courts. Years are not spent in the decision of a suit, during the suspension of which less attention can be paid to other objects. However it ends, the mind soon loses sight of the event: and passes to other efforts and considerations. Property, beside, whether real or personal, is held by tenures too simple to occasion much difference of opinion as to the right to it. There are no entails nor settlements. The little commerce they maintain with foreigners, and the uniformity of their own principles, customs, and opinions; but above all, the union which exists in families, among whom elsewhere the exclusive rights of individuals occasion the greatest feuds; and the sort of community in which most of them continue in China, cut off the principal sources of dissension. The halls of audience are, in fact, more engaged in solicitations than in contests. Men of talents and learning are employed sometimes to support the cause of others who are young, ignorant, or incapable; but there is no particular order of men who subsist in affluence, as lawyers and attornies; or who arrive at dignities like the former. The impartiality of

the judge, is endeavoured to be secured by appointing no man to that office in the province of which he is a native; but tho he may not lean, from affection, to one of the parties, he is liable to be swayed by the weight of presents. Such offerings are universal from an inferior to a superior, and from a pleader to his judge, in China, as well as in most countries in the East. Judges are paid by both contending parties; and if each of these were equally rich and equally liberal, it is possible that justice might be still fairly pronounced between them, in like manner as it is in the British courts of law, notwithstanding the regular fees arising to the judge from the proceedings on both sides. The great expensiveness of law-suits might even then, indeed, become an instrument of oppression in the hands of him who was at the same time wealthy and unjust; but, what is worse, the Chinese fees, or presents, are not precisely ascertained; and it is often expected, that those offerings should be proportioned to the opulence of the donor. If such donations were a necessary requisite of office, as some Chinese judges certainly consider them, without having any influence upon the decision of the cause, the greater amount exacted from the rich might operate as a check upon any disposition in them

to harass their poorer neighbours with vexatious suits; but it is asserted that, in fact, money is the grand instrument of decision in the Chinese courts, which generally find reason at the bottom of the longest purse. The dispensers of justice are not placed in China above temptation, by the amount of their salaries, which would render the acceptance of presents as unnecessary as they are improper.

The influx of silver from Europe into China, within a century has occasioned a great increase in the price of all articles of consumption, and has altered the proportion between the fixed salaries of the several officers of government, and the usual expences of their respective stations. The ancient missionaries mention in their accounts, the extreme cheapness of living at that time in China; but many of the necessities of life are not now lower than in England.

An occasion happens of partiality in all differences between Tartars and Chinese, when it could scarcely be expected that the balance of justice would be held with an equal hand between the conquerors and the conquered. This inconvenience is little felt, however, in the southern provinces, where the travellers were now pursuing their route. Few Tartars were to be found

there, except such as filled considerable employments, whose leaning towards individuals of their own nation, there was consequently but little opportunity of betraying. There was not, for example, a single Tartar settled in the neighbourhood of Koang-sin-foo, where the badness of the weather detained the travellers for a day. The neighbouring country was inundated in great measure, and cultivated chiefly in rice. Several rice mills on the river shewed that the grain was more frequently reduced into flour in that province than to the northward, where no such erections were observed. Many people were also employed in fishing, and others busily engaged in gathering the berries of the tallow tree, which at this season are ripe, and beginning to expand like the pods of the cotton shrub.

The travellers, taking a course a little to the north-west, for the convenience of water-carriage, entered soon into that great extent of flat and swampy land, in the midst of which is the Poyang lake, being the largest collection of waters within the Chinese dominions. For the distance of some miles, indeed, on every side of it, the face of the country is one wild and morassy waste, covered with reeds and rushes, and entirely inundated for a part of the year. Not a village is to be seen; nor any traces of habitation

possible, except now and then a mean and solitary hut for the residence of a fisherman, so situate sometimes as to be approached only by a boat. These wretched beings subsist by fishing, and by raising vegetables on hurdles of bamboo resting upon marshes, or floating upon the surface of the water.

The lake Poyang and the adjacent country may literally be termed the common sewer of China. Rivers flow into it from most points of the compass. Several canals have been formed from it, and inclosed within high banks for the security of vessels in the season of tempests and inundations. The billows of the lake, indeed, rise sometimes to such a height as to render it, in the opinion of the Chinese mariners, as dangerous as the sea. In this lake were scattered small sandy islands just peeping above the surface of the water, and covered with humble dwellings, the abodes of fishermen.

The Poyang, after having collected the waters of several rivers, empties itself into the Yang-tse-kiang, and contributes in no small degree to the magnitude of that stream.

In the journey through the swampy grounds which lay for several miles to the southward of the Poyang, the habitations and the resources of

the people were still the same as in the eastern neighbourhood of the lake. Each inhabitant seemed to have his own fishing grounds. Their ponds were divided into small portions, in which their fish were bred and fattened. Some of them were a small species like sprats, which dried and salted, become an object of commerce throughout the empire. Besides the various methods already mentioned to be practised for catching fish in China, there is another in general use, which is that of stretching out a net on four pieces of bamboo, and suspended by a long pole.

Water fowl are particularly plenty in this part of the country, and form a part of its resources. They are caught by various stratagems; but as they are never openly molested, or alarmed by the explosion of gunpowder, they are remarkably tame and familiar. The common white necked crow of China, *corvus dauricus*, will suffer itself to be approached within two or three yards before it commences to take wing.

As the country receded from the Poyang, and the travellers got out of the province of Kiangnan into that of Kiang-see, the prospect became more pleasant, and the lands more fertile. The usual populousness recurred. The progress of the Embassy was however slow, and the yachts

ere now moving against the current of a rapid river which came from the south-west. Inundated fields were here succeeded by extensive plantations of the sugar cane. To apply the system of irrigation to those plantations, which were on a sandy soil far elevated above the river, it was necessary to raise the water to heights which could not be attained by the means hitherto mentioned to be practised by the Chinese. But the want suggested the resource; and a machine was invented by them, as ingenious in its contrivance, as it was cheap in its materials, easy in its operation, and effectual to its purpose.

Two hard-wood posts or uprights were firmly fixed in the bed of the river, in a line perpendicular to its bank. These posts supported the axis, about ten feet in length, of a large and durable wheel, consisting of two unequal rims, the diameter of one of which, closest to the bank, being about fifteen inches shorter than that of the outer rim; but both dipping in the stream, while the opposite segment of the wheel rises above the elevated bank. This double wheel is connected with the axis, and is supported by sixteen or eighteen spokes obliquely inserted near each extremity of the axis, and crossing each other at about two-thirds of their length.

They are there strengthened by a concentric circle, and fastened afterwards to the rims: the spokes inserted in the interior extremity of the axis, reaching the outer rim, and those proceeding from the exterior extremity of the same axis, reaching the inner and smaller rim. Between the rims and the crossings of the spokes, is woven a kind of close basket-work, serving as ladle-boards or floats, which meeting successively the current of the stream, obey its impulse, and turn round the wheel. To both its rims are attached small tubes or spouts of wood, with an inclination of about twenty-five degrees to the horizon, or to the axis of the wheel. The tubes are closed at their outer extremity, and open at the opposite end. By this position, the tubes which happen in the motion of the wheel to be in the stream with their mouths or open ends uppermost, fill with water. As that segment of the wheel rises, the mouths of the tubes attached to it, alter their relative inclination, but not so much as to let their contents flow out, till such segment of the wheel becomes the top. The mouths of those tubes are then relatively depressed, and pour the water into a wide trough placed on posts, from whence it is conveyed as may be wanted among the canes.

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The only materials employed in the construction of this water-wheel, except the nave or axis, and the posts on which it rests, are afforded by the bamboo. The rims, the spokes, the ladle-boards or floats, and the tubes or spouts, and even the cords, are made of entire lengths or single joints, or large pieces, or thin slices, of the bamboo. Neither nails, nor pins, nor screws, nor any kind of metal enters into its construction. The parts are bound together firmly by cordage, also of slit bamboo. Thus, at a very trifling expense, is constructed a machine which, without labour or attendance, will furnish, from a considerable depth, a reservoir with a constant supply of water, adequate to every agricultural purpose.

These wheels are from twenty to forty feet in diameter, according to the height of the bank, and consequent elevation to which the water is to be raised. Such a wheel is capable of sustaining with ease twenty tubes or spouts, of the length of four feet, and diameter two inches in the clear. The contents of such a tube, would be equal to six-tenths of a gallon, and a periphery of twenty tubes, twelve gallons. A stream of a moderate velocity would be sufficient to turn the wheel at the rate of four revolutions in one

minute, by which would be lifted forty-eight gallons of water in that short period; in one hour, two thousand eight hundred and eighty gallons; and sixty-nine thousand one hundred and twenty gallons, or upwards of three hundred tons of water, in a day.

This wheel is thought to exceed, in most respects, any machine yet in use for similar purposes. The Persian wheel, with loose buckets suspended to the edges of the rim or fellies of the wheel, so common in the south of France, and in the Tyrol, approaches nearest to the Chinese wheel; but is vastly more expensive, and less simple in its construction, as well as less ingenious in the contrivance. In the Tyrol, there are also wheels for lifting water, with a circumference of wood hollowed into scoops; but they are much inferior either to the Persian or Chinese wheel.

The bamboo is a curious and beautiful as well as a valuable plant. It is properly a reed, hollow, and generally jointed. It is supposed to flourish most in dry grounds in the neighbourhood of running water. Its growth is quick, attaining its height, not often more than twenty feet, in about eighteen months. It has the properties, so seldom united, of being equally light

and solid. It rises out of the ground with a trunk, of which the diameter contracts as its length increases, in the manner of some, at least, of the palm tribe. The branches of the bamboo are few, and of a light shining green, the leaves long and delicate. Within the hollow of its joints is sometimes found a singular substance, considered in some countries as a medicine, according to the relation of a learned traveller, and proved by an ingenious chemist, to be of a silicious nature. The Chinese reckon above sixty varieties of the bamboo, and apply it, perhaps, to as many uses. Besides its utility in buildings ashore and upon the water, in almost all kinds of furniture, and in the pulp made from its substance into paper, its tender sprouts are relished as an article of food. It is only within a few years that the bamboo has been introduced into several of the West India islands, where it has been found to be one of the most valuable presents that could be offered to them:

Plantations of the bamboo abounded in the province of Kiang-see, in several spots adjoining the river on which the Embassy was now embarked. With the large camphor tree, which grew at a little more distance from the river, was

sometimes mixed one of a still greater size, a species of the ficus, or Chinese yang-shoo, of which the branches spread horizontally to such an extent, that one tree may be almost sufficient to cover half an acre of land. The vallies between the river and the mountains were not extensive; but the country could scarcely be more populous if a plain. Many manufactories of coarse earthen ware, as well as of fine porcelain were interspersed in the province of Kiang-see. In some places the mountains rose immediately from the river, into which huge rocks had fallen from the steep sides of the mountains. The stream of the river rolling over them with impetuosity, has sometimes occasioned accidents, the recollection of which induced the Chinese navigators to renew, before they attempted passing them, the same sort of sacrifices which are described on passing the Yellow river.

Beyond the rocks, the smooth water was almost covered with small boats, in each of which was one or two of the fishing birds. Those boats are so small and light that the fishermen carry them often on their shoulders, from one lake to another, together with the bird which serves as the instrument by which the fish is caught.

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Sometimes the fisherman and his bird rest, in lieu of boats, on small rafts, consisting of five bamboos tied together.

In this southern province, fields of wheat just springing out of the ground, were to be found in the vicinity of the tall sugar-cane, now nearly fit for the mill. In this province the women of the lower rank are freed from the prejudice of little feet; and are so remarkably robust and laborious, that peasants of other provinces have been known to come to purchase what they call, a working wife, in Kiang-see. A farmer in that province has been seen to drive, with one hand, a plough, to which his wife was yoked, while he sowed the seed with the other hand in drills. The soil, indeed, was loose, and the plough of very light materials and construction. The task, however, imposed upon the woman appeared to an European eye altogether unbecoming, when not borne equally by the other sex. The wives were distinguished from the maidens, by the latter allowing the hair near the forehead to hang down towards the eyebrows, while the former had all theirs bound together upon the crown of the head.

Farms are generally let for three, five, or seven years, resumable by the landlord, or relinquish-

able by the tenant, at the end of any of those terms, according to the contract. In general, the owner divides the crop with the cultivator. The latter has his share entire. The former pays out of his, the Emperor's tax, which is considered to be always the same whether the season be plentiful or scanty; tho, in the latter case, an abatement of part, or remission of the whole, is made upon representation. Five per cent. is said to be the Emperor's proper share of the average crop; but the valuation, which is made entirely at the discretion of the crown officer, is generally fixed so much higher than the current price of produce, that the tax sometimes equals a tenth of the whole.

The river, against the course of which the yachts had been so long tracked, was now grown shallow, and ceased quickly to be navigable. It took its source between ranges of bleak and barren mountains, which were not unfrequently covered, in the winter months, with snow; and some tracts of land were perceived to be without the smallest degree of verdure, the surface being a kind of dark sand or crumbling stone, a perpendicular section of which discovered several horizontal and parallel layers or veins of quartz, between beds of argillaceous earth.

A second land journey was now to be undertaken in the same manner as before ; and preparations being quickly made on the day of disembarkation, the travellers set out early next morning, and soon arrived at the foot of mountains that divide the province of Kiang-see, which they were quitting, from the province of Quantung. They form a chain running mostly from east to west, and are nearly perpendicular to the range already mentioned, proceeding to it southerly from Han-choo-foo. Their basis is of granite, over which are gravelly and calcareous strata. The travellers began in a little time to ascend the highest of those eminences, the summit of which was confounded with the clouds above it. Two of those clouds, as they appeared at least to some of the spectators, were without motion, and left a void regular space between them ; but after the travellers had ascended a long way upon a circuitous road, so traced for the purpose of being practicable for horsemen, they were astonished to find that those apparently steady clouds formed, themselves, the summit of the mountain, cut down by dint of labour, to a very considerable depth, in order to render the ascent somewhat less steep. Difficult as this passage still continues, it is so much less so than before the top

of the mountain was thus cut through, that the statue of the mandarine who had it done, is honoured with a niche in some of the Chinese temples hereabouts. At this pass is a military post.

The mountain is clothed with plantations of trees to its utmost height, from whence a most extensive and rich prospect opens at once to the eye. A gentle and uniform descent of several miles on every side, almost entirely clothed with lively verdure, and crowned with towns, villages, and farm-houses, is, to use Mr. Barrow's expression, "as it were, laid at the feet of the spectator;" whilst distant plains of unbounded extent, with mountains rising out of the horizon, terminate the view. Towards the northerly point of the compass appeared, however, a tract of waste and barren ground. The hills scattered over the plain appeared, comparatively to the vast eminence from whence they were viewed, like so many hay-ricks. Such is, indeed, the distant appearance of many other Chinese hills. The town of Nan-gan-foo, which the travellers had lately left, from their present situation seemed merely to be a heap of tiles, while the river that passed by it was like a shining line. The mountain, so superior to the surrounding objects,

must be of much higher elevation above the surface of the sea. It cannot be less than one thousand feet higher than the source of the Kan-kiang, or river up which the party had navigated from the neighbourhood of the Poyang. Its stream is so rapid, that the average of its fall may be estimated at twenty feet a mile, during a direct length of about three hundred miles, the whole amounting to six thousand feet, which, with the elevation of one thousand feet above the source of the river, make the apex of the mountain to be seven thousand above the surface of the Poyang lake. That lake discharges a vast volume of water into the Yang-tse-kiang river, with a considerable current, which runs from thence at least three hundred miles before it reaches the Eastern sea; and in that distance cannot have a fall of less than a thousand feet. These computations give therefore to the mountain an elevation of eight thousand feet above the level of the sea.

The road across the mountain was crowded with several thousand peasants, carrying large jars of oil to Nan-gan-foo, from whence it is sent by water to the more northern provinces of the empire. On this road were seen some horses, remarkably small, but hardy and nimble. They had not handsome forehands, but were otherwise

well shaped, with limbs as neat and slender as those of a stag.

On arriving at Nan-choo-foo, the frontier city of the province, about eighteen miles from the pass upon the mountain, convenient but small covered barges, suited to the smallness of the river near its source, were found in readiness to receive the persons and baggage of the Embassy.

This river, called Pe-kiang, continues its course through an extent of about two hundred and sixty miles to the city of Canton. From thence it falls, after a further course of about eighty miles, into the southern sea of China, near which it takes, among foreigners, the name of Bocca Tigris.

For a great part of its course to the northward of Canton it lies between two ranges of calcareous hills, some of which rise immediately from the water, while others receding from the banks leave some narrow and some extended plains intervening between them. The eminences in the beginning were rude and broken, producing chiefly the sesanqua and the larch, growing sometimes in spots where it required no little labour and management to plant them. The soil was mostly sand mixed with a little clay, and

partaking of the granite strata which lay below it. Hereabouts in the little dells were scattered small neat houses, surrounded by patches of land under cultivation, and apparently accessible only by the river. In its bed were frequently heaped together stones, which with stakes of wood formed a kind of dam, leaving sluices through which the water rushes with a rapid stream; and in these are placed baskets of wicker-work, having pointed sticks within side converging towards each other, which permit the fish to pass through them, but prevent their regress; thus rendering them the prey of the proprietor of those snares.

As soon as the hills opposite to each other began to be less rugged, tobacco was planted on their slanting sides, contrary to the usual system of Chinese agriculture, which affects to erect terraces on every practicable slope. There were however some mountains which were barren and of a horrid aspect. No vegetation was to be discovered on them. Rocks piled upon rocks in every fantastic form, threaten the passenger sailing under their overhanging heads. Five of the most remarkable of those tremendous heaps were termed by the Chinese the five horses' heads. One was distinguished towards its summit by layers of different coloured stones. Other hills

consisted chiefly of mines of coal, rising directly from the river and opening into day. They were worked by drawing a level from the river into the side of the mine, the contents of which are loaded immediately on barges from the mouth of an horizontal shaft. This coal is of a soft soapy nature, shivery, and easily pulverized, and such as is sometimes called culm coal. As the Chinese have no fire-places with open grates, but burn their fuel in close stoves, they commonly char their coal, previously to its being employed for fuel; and for this purpose deep pits are dug in the vicinity of the mines. In the general spirit of Chinese economy, rendered, perhaps, necessary by the immensity of their population, the dust even of the coals is not lost by them. A livelihood is obtained by gathering this dust, and mixing it with equal quantities of soft earth collected out of marshy grounds, which when made into the form of bricks, and rendered solid in the sun, are transported to districts where no coal is found.

As soon as the river became sufficiently deep and wide, the passage barges were changed for larger and more commodious yachts. The volume of water was increased by a junction with another considerable stream coming from the

north-west. At their confluence stood the city of Chau-choo-foo, the environs of which were pleasant and romantic. The plains were sown with rice and tobacco. The rising grounds were planted with cotton and the sesanqua. The boats which ply from one part of the city to another are chiefly managed by females, who are generally young and neatly dressed, with an evident intent of attracting the attention of passengers. A similar custom had been observed before on the Tai-hoo lake, where men absent from their own families abounded. At Chau-choo-foo, the commerce of two navigable rivers occasioned a concourse of male strangers. The frail females in the boats had not embraced this double occupation, after having quitted their parents, or on being abandoned by them on account of their misconduct; but the parents themselves, taking no other interest in the chastity of their daughters, than as it might contribute to an advantageous disposal of them to wealthy husbands, feel little reluctance, when no such prospect offers, to devote them to one employment, with a view to the profits of another. Women, especially in the lower walks of life, are bred with little other principle than that of implicit obedience to their fathers or their husbands. To them they are

taught to refer the good or bad qualities of their actions, without any idea of virtue in the abstract. Nor do the men seem to value chastity, except what may tend to their own personal gratification. The case is probably somewhat otherwise in the upper classes of life in China. There is, in fact, a greater difference often between different ranks in the same country, than between the same ranks in different countries. The Chinese women, of whatever condition in life, are, for the most part, deprived of the benefit of reading, or of acquiring knowledge by observation. Their ignorance, their inexperience, their retirement, their awe also of those whom they consider as their superiors, disqualify them, in great measure, from becoming the friends or habitual companions of the leisure of their husbands. Even a relish for their personal charms is subject gradually to diminish; and less horror is felt against unnatural practices, which, however they are, as well as all perverse and impure desires, justly reprobated by the Chinese moralists, are seldom, if ever, punished by the law, at least when committed by the mandarines. Where the ladies never form a part of society with men, mutual improvement, or delicacy of taste and sentiment, the softness of address, the graces of elegant con-

verse, the refinement and play of passions, cannot take place; and unguarded manners in the men are liable to degenerate into coarse pleantry or broad allusions. The exterior demeanour of the Chinese is, indeed, very ceremonious. It consists of various evolutions of the body, and inclinations of the head, in bending or stiffening the knee, and in joining and disengaging the hands; all which are considered as the perfection of good breeding and deportment; while the nations who are not expert in such discipline are thought to be little better than barbarians. When, however, those Chinese ceremonies are once shewn off, the performers of them relapse into ease and familiarity. In their address to strangers, they are not restrained by any bashfulness; but present themselves with an easy confident air, as if they considered themselves as the superiors, and as if nothing in their manners or appearance could be deficient or inaccurate. This habit of confidence in themselves arose originally from a consciousness of surpassing their neighbours in merit of every kind. Before the period of the Mongol invasion of their country, in the midst of the dark ages of Europe, when China was visited by Marco Polo, the natives of it had already reached their highest

pitch of civilization, in which they were certainly much superior to their conquerors, as well as to their European contemporaries; but not having since advanced, whilst the nations of Europe have been every day improving in manners, and in arts and knowledge of every kind, the Chinese are seen by the latter with less admiring eyes than they were by the first travellers who gave accounts of them. The Chinese themselves felt lately in their intercourse with the Embassy some of the advantages which the English now had over them. The Chinese have suffered, perhaps, likewise by the intermixture with the Manchoo Tartars: feeling themselves in some degree degraded under the yoke of the most absolute authority that can be vested in a prince, whilst the Tartars consider themselves as in some measure partakers of their sovereign's dominion over the whole; and are thus consoled under the pressure of his power upon themselves; like the house servants or house Negroes belonging to a great landlord in Livonia, or a planter in Jamaica, who, tho slaves themselves, look down upon the peasantry and field Negroes of the estate, as greatly their inferiors.

Upon a principle not dissimilar, the inhabitants in general of the maritime province of

Canton, and the purpose of the government affected to be them.

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Canton, considering the strangers that came for the purpose of traffic to it, as less protected by the government of the country than themselves, affected a sort of superiority sometimes over them.

Yet the influence of the extensive trade carried on by the English, was manifested some days before the yachts had reached the city of Canton; for upon the river, as well as along its banks, it was not unusual to hear some English words attempted to be spoken by Chinese. Many of the boats of burden which were sailing down the river were laden with goods destined to be sent to England. It was crowded, indeed, also in many places with vast rafts or floats of timber, mostly of the larch and camphor trees, on their passage towards the middle provinces of the empire, which were too level and too well cultivated to be suffered to produce much wood. The rafts bound together, extended sometimes above a hundred feet in length. Masts were erected in several parts of them, on which sails were set to waft them against the current whenever there was a favourable breeze. When otherwise, they were tracked by the people who lived upon them in cabins built for that purpose. Upon these rafts vegetables were often made to grow, and several

domestic animals were reared. From the cabins children issued, almost like bees rushing from a hive. The people on board had likewise tackling to fish; and large nets were drawn up from them, as from the deck of a boat.

On one side of the river was an immense rock of grey coarse marble, estimated to be about six hundred feet in height. In a large rent or fissure close to the water's edge, and accessible only by boats, is a temple, inhabited by Ho-shaung, or priests of Fo, who worship there a variety of chiefs or heroes deified, and of virtues and passions personified. This temple consists of several apartments, one over the other, of considerable height, which were chiefly excavations made into the rock. Above them, in a large natural fissure, is an immense mass of stalactites not less, apparently, than a ton in weight, out of which proceed a vast number of ramifications. Many of the hills are cut down perpendicularly to the water's edge, in order to obtain from thence the immense masses of stone employed in pagodas, bridges, and for the platforms or foundations on which Chinese temples and palaces are erected. Quarries are frequently wrought at the sides of rivers, on account of the facility of transportation from thence.

A plain terminated only in the horizon, at length succeeded to the double range of heights through which the river had mostly flowed hitherto from its source. The stream was now widened, and soon met the tide flowing from the southward. The country was intersected by large canals for the purposes of navigation, and others of a smaller size for occasionally watering the grounds. The whole exhibited every mark of fertility, industry, and populousness. The principal cultivation was rice. In some spots were groves of mulberry trees. Along the river, as the party approached Canton, were nurseries full of curious plants; and also country houses belonging to the principal native merchants of that city. To one of those the Company's Commissioners, together with several English gentlemen and Chinese connected with them, came to meet the Ambassador.

The Viceroy had already gone on before, in order to prepare, at Canton, for his Excellency's reception there. He sent from thence large and magnificent barges, adorned with profusion of glass, gilding, and painting, in which the Embassy made its entrance into Canton. They arrived there on the 19th of December, 1793. The uncommon honours paid to his Excellency, by

order of the Viceroy, and his own personal attentions, had not the mere effect of idle and transitory show; but taught the inhabitants of Canton to consider the English there no longer as destitute of protection, or unworthy of respect.

At Canton almost every individual of the Embassy enjoyed at length the satisfaction, after many disappointed hopes, of hearing from their private friends. Accounts also had arrived, that the government of France had declared war against Great Britain; and the Ambassador felt therefore the greater satisfaction, in being informed, that the Lion man of war had been overtaken by a messenger from the Company's Commissioners before Sir Erasmus Gower had made any progress in his way to the northward, after having been supplied with what he wanted from Canton; and that his ship was then lying at the place called Bocca Tigris. She had sailed from Chu-san on the eighteenth of October. During her stay there, of about seven weeks, his crew had recovered almost entirely from the dysentery with which they had been long tormented. Beside the benefit of air and exercise, they had the advantage of a fresh and wholesome diet. They were supplied with animal food, particularly poultry, as well as vegetables, at reasonable

rates, especially when purchased without the intervention of men in office, who generally exacted fees from the seller, which fell ultimately upon the consumer. Fruits of all kinds were plentiful and cheap. Tea was cheaper than in any other part of China. A month before their departure, a dreadful storm raged, accompanied with lightning, which was so low as to appear to pass along the muzzles of the guns, and continued in such violent and constantly succeeding flashes, as to drive every person off the decks. The wind, during the severity of the tempest, was northerly, and contrary to what had blown for the late preceding months; and the whole was considered by the seamen as a contest between the two monsoons which should get the better. The south-west wind became, however, prevalent again. The weather afterwards was inconstant, and the wind changeable, until the end of September, when a strong north-east gale arose, which settled in a few days in a moderate breeze from the same quarter; and the new monsoon was considered as established for the season.

Sir Erasmus Gower was desirous of then pursuing the route proposed by the Ambassador at Tien-sing; but he was obliged, in the first place,

to proceed for the river of Canton, as has been already mentioned. Little, however, suspecting the change of circumstances, which rendered necessary a correspondent change in his destination, he was determined to return, as quickly as possible to the north-east. All possible honours were paid to him on his departure from Chu-san, in consequence of the good order he had preserved among his people. The Lion sailed through the Chu-san islands, and the straits of Formosa, with safety and expedition; and anchored on the twenty-third of October near the Ladrone islands. In that of Samcock good water was found in sufficient plenty for the ship's use. In the summit of that island is a huge heap of granite rocks, from whence there is an extensive prospect of all the passages leading thro the Ladrone islands. The Chinese pilots look out from thence for vessels coming from sea towards their ports. The latitude of the island is twenty-two degrees nine minutes north. The longitude, by a mean of nine sights of the sun's distance from the moon, is one hundred and twelve degrees forty-one minutes east of Greenwich.

From this place Sir Erasmus sent to the Commissioners at Canton, and by them he was supplied, in a very few days with the medicines and

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other articles he wanted. He bent afterwards immediately his course back thro the straits of Formosa ; but now the north-east monsoon, which was in its utmost force, blew directly against him. On the fourth of November, he met a violent gale of wind, not far from Pedra Branca. The weather continued, indeed, boisterous the whole time the ship was out, with an irregular short sea, which got up in a moment. The sails were constantly splitting, and were not without difficulty supplied. The Lion continued thus several days working off the China shore without gaining a mile. She then stood over for Formosa, where there was less current against her ; and she made some progress : but the turbulence of the weather was such, that she sprung both top-masts, and was obliged to return to the Ladrones, in order to be in some degree of shelter, for the purpose of being refitted, and capable of renewing her efforts to get forward. Several piratical vessels, filled with Chinese, were hovering in this neighbourhood, and had very lately taken several Chinese junks, and plundered the adjacent islands. The practice of those pirates is to make slaves of such able bodied men, as they take prisoners, to put the rest to death, and to sink the junks, and burn the houses, after taking out

whatever they deem valuable. On the twenty-first of November, the *Lion* met a brig, which on examination, proved to be the very vessel to which belonged the five men whom the Embassy had found, and left, in the volcanic island of Amsterdam, the preceding month of February. As Sir Erasmus had heard, from Canton, of the war between Great Britain and France, he seized the brig as a lawful prize, she belonging to, and having been fitted out from, the Isle of France. Thus, the return of the brig to the island of Amsterdam, for Perron and his companions, with the cargo of skins they were collecting for her there, was frustrated at once. And if ever those poor people should be enabled to get away from that desolate and confined spot, it must be owing to some fortunate accident of a vessel casually touching at it, and disposed to take them from thence.

Before the damages which the *Lion* had lately suffered were repaired, Sir Erasmus Gower received the Ambassador's dispatches; and in consequence of them, instead of combating again with the monsoon, he steered for the Bocca Tigris.

Captain Mackintosh also arrived at Canton sooner than he expected. He had found the

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mandarines and people of Chu-san perfectly well disposed to comply with the Emperor's orders, in respect to the privileges to be granted to the captain and his officers, in the purchase of a cargo there; and tea and silk were much cheaper than elsewhere; but the Chu-san traders were not prepared for so extensive a concern, as a cargo of goods fitted for the European market, to fill a ship of the size of the Hindostan, full twelve hundred tons; nor for the purchase of the European goods on board her, better calculated for a larger city. They would therefore expect specie for most of the articles they could furnish for the Hindostan, and which had not been provided by her commander. He found it expedient, therefore, to proceed to Canton, where he was to enjoy, for the present voyage, the same privileges and exemptions, as at Chu-san. He left that place with regret, in which the inhabitants partook; as his officers and crew had been very careful in their conduct towards the Chinese; and a general satisfaction was felt on both sides. The Hindostan had, as well as the Lion, the advantage of a favourable monsoon in proceeding to Canton; but the straits of Formosa are generally so tempestuous, that Captain Mackintosh scarcely remembered to have seen severer wea-

ther than he met in this short passage through those straits to the river of Canton.

List of Plants in the Provinces of Kiang-see and Canton.

Kyllinga triceps.	Tradescantia.
Panicum italicum.	Allium.
Arundo bambos.	Convallaria japonica.
Eriocaulon.	Daphne indica.
Elæagnus pungens.	Polygonum fagopyrum.
Ilex, a new species.	Laurus camphora.
Azalea indica.	Cassia obtusifolia.
Convolvulus sericeus.	Euphorbia.
———— battatas.	Rosa indica.
———— medium.	———— another species.
———— obscurus.	Triticum.
Nauclea orientalis.	Rubus.
Lonicera.	Thea.
Sphenoclea zeylanica.	Gossipium.
Bladhia japonica.	Hybiscus syriacus.
Illecebrum sessile.	Camellia sesanqua.
Gardenia florida.	Arachis hypogæa.
Asclepiadea, two species.	Glycine.
Burmannia, a new species.	Indigofera tinctoria.
	Citrus trifoliata.

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Quercus
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Pinus la
Croton
Cucurb
Ischæm
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Polypo
Lycopo
Myoso
Plumb
Psycho
Musser
Justici
Ronde
Datura
Nicoti
Physa

Artemisia.	Solanum diphyllum,
Chrysanthemum indicum.	Osbeck.
Elephantopus.	———— verbascifolium.
Urtica nivea.	———— nigrum.
Quercus dentatus, Thunberg.	———— another species.
Pinus larix.	Lycium japonicum.
Croton sebiferum.	———— foetidum.
Cucurbitacea.	Capsicum.
Ischæmum aristatum.	Dysoda fascicularis, Loureiro.
Mimosa.	Serissa. Jussiaei.
Panax aculeata.	Pontedera.
Pteris semipinnata.	Juncus articulatus.
Asplenium, two species.	Rumex, Thunberg.
Polypodium.	Jussiaea erecta.
Lycopodium cernuum.	Dianthus deltoides.
Myosotis scorpioides.	Cratægus bibas, Lour.
Plumbago zeylanica.	———— glabra, Thunberg.
Psychotria asiatica.	Lagerstroemia indica.
———— serpens.	Clematis, Thunberg.
Mussenda frondosa.	Urtica nivea.
Justicia.	Sagittaria trifolia.
Rondeletia asiatica.	Cupressus pendula, Thunberg.
Datura.	Sterculia platanifolia.
Nicotiana tabacum.	Rotboellia.
Physalis.	

<i>Xanthoxylon trifoliatum.</i>	<i>Plectronia chinensis,</i> Loureiro.
— another species.	<i>Ophioglossum scandens.</i>
<i>Smilax.</i>	
<i>Juniperus barbadensis,</i> Thunberg.	<i>Acrosticum siliquosum</i> <i>Saccharum.</i>
<i>Anthisteria ciliata.</i>	<i>Ficus indicus.</i>

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CHAPTER V.

RESIDENCE OF THE EMBASSY AT CANTON, AND AT
MACAO.

THE city and suburbs of Canton are situate mostly on the eastern bank of the Pe-kiang river. The Embassy was lodged on the opposite side. Its quarters consisted of separate buildings sufficiently spacious and convenient. Some of them were fitted up in the English manner, with glass windows and fire-grates. The use of the latter was then found in the winter solstice, to be very comfortable, tho in a situation bordering upon the tropic. A large garden with ponds and parterres surrounded the buildings. On one side of them was a temple; and on the other a high edifice, the top of which commanded a view of the river and shipping, as well as of the city and country to a considerable distance.

Canton, like a sea-port or a frontier town, bears many marks of the mixture of foreigners with natives. The handsome factories of the different nations of Europe trading to it, situate in a line along the river, outside the walls of the

city, each with its national flag flying over it, contrast with the Chinese buildings, and are an ornament to the whole. The numbers of strangers to be seen in the suburbs, while their ships are unloading and loading in the river; their various languages, dresses, and characteristic deportment, would leave it almost a doubt, if a judgment were to be formed from that part of the town, to what nation it was belonging.

The neighbourhood of the foreign factories is filled with storehouses for the reception of European goods, until they are disposed of to the natives, or of Chinese goods for exportation until shipped. The front of almost every house is a shop; and the shops of one or more streets are laid out chiefly to supply the wants of strangers. All purchases are made either by individuals belonging to the ships, or by the agents of companies in Europe. The great objects of import and export are carried on chiefly by the latter. In transactions by the former, instances of fraud may have happened or been attempted; scarcely any by the latter. The probity, punctuality, and credit of the English East India Company in particular, and their agents, are known among the Chinese merchants to be such, that their goods are taken always, as to quantity and quality, for

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what they are declared to be in the invoice; and the bales with their mark pass in trade, without examination, throughout the empire. Those agents are divided generally into supercargoes and writers. They have the good fortune, by the nature and liberality of their emoluments, to be placed above temptation. They are allowed a commission on the business done by them, according to their stations in the service. Their measures are determined by a majority of the meeting, with regular minutes of the grounds for their proceedings. They are bred in the habits of method, candour, and punctuality, the characteristics of an honourable merchant, without being led into any of the selfish vices, or low propensities, of which the practice must tend to degrade so useful a profession.

Tho the exports of Canton consist of many articles, their comparative importance is almost absorbed in that of tea. The agents of other European nations taken collectively, purchased much greater quantities of that commodity formerly than the English. It did not, however, escape the observation of several of the Directors of the English Company, that much the greatest proportion of the teas so brought to Europe on foreign bottoms, was afterwards smuggled into

England, in consequence of the temptation afforded by the high duties imposed upon that article by the British Parliament. Teas were found not only to constitute the principal article that was smuggled into the kingdom, but it occasioned and facilitated the like clandestine importation of other goods. This practice of smuggling arose to such a height that, in a report made to the House of Commons, by a very able member of it, now a peer, he concluded by saying, that, "the illicit practices used in defrauding
"the revenue, had increased in a most alarming
"degree; that those practices were carried on
"upon the coasts, and in other parts of the
"kingdom, with a violence, and with outrages,
"which not only threatened the destruction of
"the revenue, but were highly injurious to regular commerce and fair trade, very pernicious
"to the manners and morals of the people, and
"an interruption to all good government."

At the same time, by the ability and industry of a gentleman, now accomptant of the East India Company, a statement of facts and estimates, which is printed in the Appendix to this work, together with a plan, were brought forward for obtaining for Great Britain, the advantages and profits of importing all the teas consumed by its

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subjects in that kingdom and its dependencies; and upon these was founded the law, generally known by the name of the Commutation Act, which put an end to many of the evils pointed out in the report just quoted: and gave employment to a considerable number of ships and sailors, in fetching to Europe, in English bottoms, the additional quantities of teas, which the cessation of smuggling that article from other parts of Europe, rendered it necessary for the agents of the English Company to purchase in Canton. Tables of the consequent annual increase of teas purchased, and British manufactures sold at Canton, will be found also in the Appendix. Beside the usual supercargoes and writers belonging to the factory, three Commissioners, at this time, presided in it. They had been deputed by the Company, not only to announce in due form to the Chinese government the appointment of an Embassy from Great Britain, and to prepare for its reception, but also to examine and regulate the management of the Company's increased concerns at Canton and Macao. Such is the liberal education of the Company's servants, that the first of those Commissioners, beside the qualities which fitted him for his station, was possessed of considerable

science in other respects; and another was well known in the literary world by his travels, and his ingenuity. The three Commissioners gave to the Ambassador a full detail of the several grievances under which the Company's concerns laboured in Canton, and the personal disgusts to which their agents were exposed; and thus enabled his Excellency to add to the remonstrances he had presented on that subject to the Viceroy, in the course of their travelling together from Han-choo-foo. The Viceroy was perfectly disposed to redress every real hardship; and published very soon two edicts against the frauds to which foreigners were subject in the transaction of their business, and the insults to which they were liable in their persons. Offenders were already punished in conformity to those edicts.

The complete reform of inveterate abuses was, however, not to be expected on a sudden. The prejudices and the interests of many of the natives concurred in producing efforts for their continuance. The Hoppo, or chief revenue officer, was alarmed for the usual exactions of his office. He was conscious of the injury he did to foreigners; and his hatred or his contempt was equal to his injustice. He was able, bold, and artful; and was seconded and screened by most of the other

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officers of government, except the Viceroy, and by the individuals who adopted his prejudices, or profited by his plunder, or dreaded his resentment. Against such obstacles the letter of the law required aid to carry it into execution. Among the Viceroy's virtues, it was not certain that he possessed so inflexible a firmness as to withstand the art and misrepresentations of those constantly about him. The foreigners were deterred, in some degree, from attempting to approach him by the eminence of his rank; and more so by the difference of their manners, and their deficiency in the means of communication. It was, indeed, likely that during the Ambassador's stay at Canton, his fellow-subjects there would have no reason to complain: his intimacy with the Viceroy, the easiness of his access to him on every occasion, the facility of conveying through a faithful and intelligent interpreter, the whole of the complaints and representations of the factory, without being weakened by awe of the Viceroy in his high station, or through fear of any offender's vengeance, would probably insure justice and tranquillity to all the persons whom trade attracted to the country. The probability even of his Excellency's return there after a tour to Japan or Cochin-China, as the

season would serve, might be of use in this respect: and the reform introduced in the interval would acquire the force of habit, which the good intentions of the Viceroy might be able to support. The Ambassador was aware, that nothing but the motive of guarding the valuable fleet of ships from China, should that become necessary for their safety, could warrant him in indulging the idea of returning home that season, without having made all the exertions in his power for attaining as many objects as possible of his mission to the East.

During his stay at Canton an interchange of visits frequently took place between him and the Viceroy, and also between the former and the gentlemen of the factory. Such a familiar intercourse, in the latter instance, testified to the Chinese, that the agents for the East India Company in China were not taken from a class, or employed in an occupation which debased them, in the eyes of their own country, below the society of the first persons of rank and eminence. The pride and reserve of rank were not, indeed, much cherished by the Viceroy. He was the first in that eminent station who ever admitted the native merchants of Canton to sit in his presence; and he was likewise said to be the first

Viceroy who consented to sit at table with gentlemen of the English factory, at a repast prepared by them for the Ambassador.

The Viceroy, in his favourable disposition towards the English, was influenced, perhaps, likewise by the opinions he had conceived of their science and acquirements. Accident contributed toward inspiring him with such sentiments. The custom it seems of inhaling the vapour of tobacco, as well as that of taking it in powder, is very general in China, and extends to the highest ranks. The Viceroy once wanting to light his pipe in the absence of his attendants, the Ambassador took from his pocket a small phosphoric bottle, which opening, he soon kindled a match that answered the purpose wanted. The singularity of a person's appearing to carry fire about him without damage, attracted the Viceroy's attention. His Excellency explained the phenomenon to him in general terms, and made him a present of the bottle, which was not a little valuable in his eyes. This trifling incident led to a conversation on other curious subjects, from whence it was sufficiently apparent how much the Chinese, tho skilful and dextrous in particular arts, were behind the Western nations in many philosophical and useful branches of

science. The Ambassador was not sorry to have the opportunity of mentioning some of the modern attainments of Europeans, which were the most likely to affect the imagination on being first related: such as the method of ascending in the atmosphere by the assistance of balloons filled with attenuated air; the apparatus for restoring suspended animation; and the operations for giving sight to the blind, in cases of cataract, by its extraction or depression. Doctor Dinwiddie gave lectures on electricity, and other parts of natural philosophy, which were attended by the gentlemen of the factory, and by such of the natives who knew a little English, and who were much struck with several of the experiments, tho they did not always comprehend the explanation, or sufficiently understand the language, of the lecturer. The consciousness of superior knowledge and acquirements in Europeans, necessarily tended to procure for them the admiration, esteem, and consequent good treatment of the natives. Doctor Gillan was of material use to several of the mandarines, in prescribing for their complaints; and some persons high in office, came purposely to Canton in order to consult him.

The state of physic is extremely low in China. There are no public schools or teachers of it.

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A young man, who wishes to become a physician, has no other way of acquiring medical knowledge, than by engaging himself to some practitioner, as an apprentice. He has thus the opportunity of seeing his master's practice, of visiting his patients with him, and of learning such parts of his knowledge and secrets as the other chooses to communicate to him. The emoluments of the profession seldom exceed the skill of the practitioner. As many copper coin as scarcely are equal to six-pence sterling, is said to be the usual fee among the people; and perhaps quadruple among the mandarines. The latter of high rank have physicians in their household, who reside constantly with them, and accompany them when they travel. The Emperor's physicians, as well as most of his domestic attendants, are chiefly eunuchs. Medicine is not divided in China into distinct branches, as in most parts of Europe. The same person acts as physician, surgeon, and apothecary. The surgical part of the profession is still more backward than the others. Amputation, in cases of compound fracture and gangrene, is utterly unknown. Death is the speedy consequence of such accidents. Deformed persons, no doubt, there are in China; but they must be very few in

number, or live much retired; for no such happened to fall in the way of the Embassy, through the whole of its route, from the northern to the southern extremity of China.

The mortality of the small-pox, when of the confluent kind, joined to the observation that it attacked, once only, the same person, induced the Chinese to expose young persons to its infection, when it happened to be mild. The success of this method, led at length to the practice of inoculation amongst them. The annals of China first mention it, at a time answering to the beginning of the tenth century of the Christian era. The general method of Chinese inoculation, is the following: when the disease breaks out in any district, the physicians of the place carefully collect a quantity of ripe matter from pustules of the proper sort; which being dried, and pulverized, is closely shut up in a porcelain jar, so as to exclude from it the atmospheric air; and in this manner it will retain its properties for many years. When the patient has been duly prepared by medicines, generally of an aperient kind, and strictly dieted for a short time, a lucky day is chosen to sprinkle a little of the variolous powder upon a small piece of fine cotton wool, and to insert it into the nostrils of the patient.

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If blindness, or sore eyes, be more frequent in China than elsewhere, which the gentlemen of the Embassy were not able to ascertain, it is not impossible, that it may be owing partly to the insertion of the variolous matter so near the seat of the optic nerve, to which the inflammation, it occasions, may extend.

No male physician is allowed to attend a pregnant woman, and still less to practise midwifery; in the indelicacy of which, both sexes seem to agree in China. There are books written on that art for the use of female practitioners, with drawings of the state and position of the infant at different periods of gestation; together with a variety of directions and prescriptions for every supposed case that may take place: the whole mixed with a number of superstitious observances.

Many practitioners of physic take the advantage, as elsewhere, of the obscurity in which that art is involved, and of the ignorance and credulity of the people, to gain money by the sale of nostrums and secrets of their own. They distribute hand bills, setting forth the efficacy of their medicines, with attested cures annexed to them. But it was reserved for the sect of Tao-tse, or disciples of Lao-koun, already mentioned,

to arrogate boldly to themselves, the possession of a medical secret, "not to die." To those who had all the enjoyments of this life, there remained, unaccomplished, no other wish than that of remaining for ever in it. And accordingly several sovereigns of China have been known to cherish the idea of the possibility of such a medicine. They had put themselves, in full health, under the care of those religious empirics, and took large draughts of the boasted beverage of immortality. The composition did not consist of merely harmless ingredients; but, probably, of such extracts and proportions of the poppy, and of other substances and liquors, as occasioning a temporary exaltation of the imagination, passed for an indication of its vivifying effects. Thus encouraged, they had recourse to frequent repetitions of the dose, which brought on quickly languor and debility of spirits; and the deluded patients often became victims to deceit and folly, in the flower of their age.

There are in China no professors of the sciences connected with medicine. The human body is never, unless privately, dissected there. Books, indeed, with drawings of its internal structure, are sometimes published; but these are extremely imperfect; and consulted, perhaps,

oftener to find out the name of the spirit under whose protection each particular part is placed, than for observing its form and situation.

It is a matter of doubt, whether natural history, natural philosophy, or chemistry, be, as sciences, much more improved than anatomy in China. There are several treatises, indeed, on particular subjects in each. The Chinese likewise possess a very voluminous encyclopedia, containing many facts and observations relative to them: but from the few researches which the gentlemen of the Embassy had leisure or opportunity to make, during their short visit to the country, they perceived no traces of any general system or doctrine by which separate facts or observations were connected and compared, or the common properties of bodies ascertained by experiment; or where kindred arts were conducted on similar views; or rules framed, or deductions drawn from analogy, or principles laid down to constitute a science. For some there is not even a name. The Chinese books are full of the particular processes and methods, by which a variety of effects are produced in chemical and mechanical arts; and much might probably be gained from the perusal of them, by persons versed, at the same time, in the language of the describers,

and acquainted with the subject of the description. As soon as the product of any art or manufacture has appeared to answer the general purpose for which it was intended, it seldom happens that the Chinese discoverer is either impelled by his curiosity, or enabled by his opulence, to endeavour to make any further progress, either towards superior elegance, or ornament, or even increased utility. The use of metals, for the common purposes of life, has made the Chinese search for them in the bowels of the earth, where they have found all those that are deemed perfect, except platina. Perhaps they have not the knowledge, or means of using the cheapest and shortest method of separating the precious metals from the substances amongst which they are found; nor of reducing the ore of others into their respective metals; but they perfectly succeed in obtaining them, without alloy, whenever their object is to do so; and in making such mixtures of them as produce the results they desire. The mines which are said to be in China, containing gold, a metal esteemed there more precious from its rarity than its use, are seldom permitted to be worked; but small grains of it are collected in the province of Yunnan and Se-chuen, among the sand in the beds of the rivers and torrents which carry it

down along with them as they descend from the mountains. It is pale, soft, and ductile. A few mandarines, and many women of rank, wear bracelets of this metal round the wrist, not more for ornament, than from a notion that they preserve the wearer from a variety of diseases. The Chinese artists beat it into leaf, for gumming it upon paper to burn in their tripods, and for gilding the statues of their deities. The silk and velvet weavers use it in their tissues and embroideries. Trinkets are also made of it at Canton, which the Chinese do not wear; but which are sold in Europe as Eastern ornaments. Beside the use of silver as a medium of payment for other goods, when it passes according to its weight, it is likewise drawn into threads, like gold, to be used in the silk and cotton manufactures. For bell-metal, they use, with copper, a greater proportion of tin than is usually done elsewhere, by which means their bells are more sonorous, but more brittle, than those of Europe. Their white copper, called in Chinese pe-tung, has a beautiful silver-like appearance, and a very close grain. It takes a fine polish; and many articles of neat workmanship in imitation of silver, are made from it. An accurate analysis has determined it to consist of copper, zinc; a little silver, and,

in some specimens, a few particles of iron, and of nickel have been found. Tu-te-nag is, properly speaking, zinc, extracted from a rich ore, or calamine. The ore is powdered and mixed with charcoal dust, and placed in earthen jars over a slow fire, by means of which the metal rises in the form of vapour, in a common distilling apparatus, and afterwards is condensed in water. The calamine from whence this zinc is thus extracted, contains very little iron, and no lead or arsenic, so common in the calamine of Europe; and which extraneous substances contribute to tarnish the articles framed from such composition, and prevent them from taking so fine a polish as the pe-tung of the Chinese. Doctor Gillan was also informed at Canton, that the artists, in making their pe-tung, reduce the copper into as thin sheets or laminæ as possible, which they make red hot, and increase the fire to such a pitch, as to soften, in some degree, the laminæ, and to render them ready almost to flow. In this state they are suspended over the vapour of their purest tu-te-nag, or zinc, placed in a subliming vessel over a brisk fire. The vapour thus penetrates the heated laminæ of the copper, so as to remain fixed with it, and not to be easily dissipated or calcined by the succeeding fusion it has to undergo. The

whole is suffered to cool gradually, and is then found to be of a brighter colour, and of a closer grain, than when prepared in the European way. The iron ore of the Chinese is not well managed in their smelting furnaces; and the metal is not so soft, malleable, or ductile, as British iron. Their smiths' work is exceedingly brittle, as well as clumsy, and not polished. They excel, indeed, in the art of casting iron, and form plates of it much thinner than is generally known to be done in Europe. Much of the tin imported by the Chinese is formed into as thin a foil as possible, in order to gum it afterwards upon square pieces of paper, which are burnt before the images of their idols. The amalgam of tin and quicksilver is applied, by the artists in Canton, in making small mirrors, with glass blown upon the spot, from broken pieces of that material imported whole from Europe. The glass beads and buttons of various shapes and colours, worn by persons of rank, are chiefly made at Venice; and this is among the remnants of the great and almost exclusive trade which the Venetians formerly carried on with the East. The Chinese make great use of spectacles, which they tie round the head. They are formed of crystal, which the Canton artists cut into laminæ, with

a kind of steel saw, formed by twisting two or more fine iron wires together, and tying them like a bow-string to the extremities of a small flexible bamboo. They undo one end of this string in order to pass the wire round the crystal, where it is meant to be divided, and which is then placed between two pivots. It is thus sawed, in the manner which European watch-makers use in dividing small pieces of metal. Below the crystal is a little trough of water, into which the siliceous powder of the crystal falls as it is cut by the revolution of the wire. With this mixture, the wire and the groove it forms in the crystal, are often moistened. The powder of the crystal, like that of the diamond, helps to cut and polish itself. The workmen did not seem to understand any principle of optics, so as to form the eye-glasses of such convexities or concavities, as to supply the various defects of vision; but left their customers to choose what they found to suit them best. The few lapidaries who cut diamonds at Canton, use for that purpose adamantine spar, which being mixed in small proportions, with grey granite, the mass was imagined to contain nothing else, and excited a doubt, whether it could be real diamond, which pure granite could affect. The Canton artists

are uncommonly expert in imitating European works. They mend, and even make watches, copy paintings, and colour drawings, with great success. They supply strangers with coarse silk stockings, knit or woven at Canton, tho none of the natives wear such, unless privately, some young Chinese, who are fond of following the fashions of Europeans.

The toys made at Canton, and known under the name of balancers and tumblers, are partly filled, and their equilibrium sustained, by quicksilver. That metal is used sometimes in the same complaints where it is applied in Europe, as a specific; but a prejudice prevails among the common Chinese, that its use is apt to destroy the powers of one sex, and to occasion barrenness in the other. The extreme populousness of the country, seems to prove that such a medicine is not frequently administered, or that those effects are attributed to it erroneously.

The marriages in China are, in fact, observed to be prolific, as well as early, to which must, no doubt, contribute greatly the establishment there of the patriarchal system, already mentioned in this work on a different occasion; and which system is certainly repressive of vice and excesses of every kind. Even the exposition of infants,

implies the excess of population beyond the means of subsistence. Population in China, is not subject to be diminished materially by war. No private soldiers, and a few officers only, natives of the ancient provinces of China, were engaged in the conquest of Western Tartary, or in the Thibet war. Celibacy is rare even in the military profession among the Chinese. Accidents sometimes of extraordinary drought, and sometimes of excessive inundations, occasionally produce famine in particular provinces; and famine, disease; but there are few drains from moral causes, either of emigration or foreign navigation. The number of manufactures, whose occupations are not always favourable to health; whose constant confinement to particular spots, and sometimes in a close or tainted atmosphere, must be injurious, and whose residence in towns exposes them to irregularities, bears but a very small proportion to that of husbandmen in China. In general, there seems to be no other bounds to Chinese populousness, than those which the necessity of subsistence may put to it. These boundaries are certainly more enlarged than in other countries. The whole surface of the empire is, with trifling exceptions, dedicated to the production of food for man alone. There is no meadow, and very little pasture, nor are fields cultivated

in oats, beans, or turnips, for the support of cattle of any kind. Few parks or pleasure grounds are seen, excepting those belonging to the Emperor. Little land is taken up for roads, which are few and narrow, the chief communication being by water. There are no commons, or lands suffered to lie waste by the neglect, or the caprice, or for the sport, of great proprietors. No arable land lies fallow. The soil, under a hot and fertilizing sun, yields annually, in most instances, double crops, in consequence of adapting the culture to the soil; and of supplying its defects by mixture with other earths, by manure, by irrigation, by careful and judicious industry of every kind. The labour of man is little diverted from that industry to minister to the luxuries of the opulent and powerful; or in employments of no real use. Even the soldiers of the Chinese army, except during the short intervals of the guards which they are called to mount, or the exercises, or other occasional services which they perform, are mostly employed in agriculture. The quantity of subsistence is increased also, by converting more species of animals and vegetables to that purpose than is usual in other countries. And even in the preparation of their food, the Chinese have economy and management.

From a consideration of the influence of those causes, it will not, perhaps, appear surprising, that it should be asserted, that every square mile in China contains, upon an average, about one-third more inhabitants, being upwards of three hundred, than are found upon an equal quantity of land, also upon an average, in the most populous country in Europe. Instances are, indeed, recorded of a still greater population than either, in one of the West India islands.

Chow-ta-zhin, a man of business and precision, cautious in advancing facts, and proceeding generally upon official documents, delivered, at the request of the Ambassador, a statement to him, taken from one of the public offices in the capital, and printed in the Appendix to this work, of the inhabitants of the fifteen ancient provinces of China; to which is annexed, for the reader's information, the amount of square miles and of acres in each province. The extent of the provinces is ascertained by astronomical observations, as well as by admeasurement; and they are found to contain upwards of twelve hundred thousand square miles, or to be above eight times the size of France. The number of individuals is regularly taken in each division of a district by a tithing-man, or every tenth

master of a family. Those returns are collected by officers resident so near as to be capable of correcting any gross mistake: and all the returns are lodged in the great register at Peking. Tho the general statement is strictly the result of those returns added to each other, which seem little liable to error, or, taken separately, to doubt; yet the amount of the whole is so prodigious as to stagger belief. Even in calculations altogether certain, but immense in their results, such, for example, as the evaluation of the enormous bulk, or distance, of the fixed stars, it requires a mind conversant in such subjects, or at least habituated to such assertions, to remove all doubt concerning them. After every reasonable allowance, however, for occasional mistakes, and partial exaggerations in the returns of Chinese population, the ultimate result exhibits to the mind a grand and curious spectacle of so large a proportion of the whole human race, connected together in one great system of polity, submitting quietly, and through so considerable an extent of country, to one great sovereign; and uniform in their laws, their manners, and their language; but differing essentially in each of these respects, from every other portion of mankind; and neither desirous of communicat-

ing with, nor forming any designs against, the rest of the world.

No correct intelligence could be obtained as to the population of Chinese Tartary. No Chinese have gone beyond Zhe-hol, except a few officers sent on military duty, or persons banished there for life. The Chinese still consider that country as foreign to them. Beyond Zhe-hol it is supposed to be very thinly peopled.

The public revenues of China proper, are said to be little less than two hundred millions of ounces of silver, which may be equal to about sixty-six millions of pounds sterling, or about four times those of Great Britain, and three times those of France before the late subversion. From the produce of the taxes, all the civil and military expences, and the incidental and extraordinary charges, are first paid upon the spot out of the treasuries of the respective provinces, where such expences are incurred; and the remainder is remitted to the Imperial treasury at Peking. This surplus amounted, in the year 1792, to the sum of 36,614,328 ounces of silver, or 12,204,776 pounds sterling, according to an account taken in round numbers, from a statement furnished by Chow-ta-zhin, and which account is printed in the Appendix. In case of insurrections, or other

occurrences requiring extraordinary expences, they are generally levied by additional taxes on the provinces adjacent to the scene of action, or connected with the occasion of the expence.

In the administration of the vast revenue of the state, the opportunities of committing abuses are not often neglected, as may be inferred from the frequent confiscations to the Emperor, in consequence of such transgressions. It is indeed affirmed, that much corruption and oppression prevail in most of the public departments, by which considerable fortunes are acquired, notwithstanding the modicity of the public salaries. Among the tables in the Appendix is one, of the allowances made by the Emperor to the principal officers of government, revenue, and justice; concerning the last of which it is to be observed, that tho in each city there is a chief judge appointed expressly for trying criminals, all civil suits are decided by the principal or subordinate governors of the places where they arise; without any particular establishment of legal judges, appointed apart and independently for that purpose.

In point of taxation, the Chinese may be considered as more favoured than most subjects are in Europe, supposing silver to represent property, and to bear the same proportion to the

consumable productions among the former which it does among the latter ; for if the whole revenue were to be reduced to a capitation, it would not amount to more than five shillings a head on the population of the empire ; whereas, by an analogous computation, the people of Ireland would pay to government eight shillings a head ; those of France under the monarchy, sixteen shillings a head ; and each individual in Great Britain, at least, thirty-four shillings.

No certain account could be obtained of the Tartar revenues. Beside what the Emperor derives from his demesnes there, the chiefs pay to him a tribute, which increases frequently as they are better able to afford it. Goods imported into China, from Tartary, or through it, such as furs and leather, are liable to the payment of a small duty on passing the great wall ; but all Chinese goods exported to Tartary pass duty free.

The principal information relative to the military class in China, was taken from Van-ta-zhin, himself a distinguished officer, and giving his account with candour, tho not always, perhaps, with the care and accuracy which appeared to accompany the statements of Chow-ta-zhin. The former asserted that, including Tartars, the total of the army in the pay of China amounted to one mil-

lion infantry, and eight hundred thousand cavalry. From the observations made by the Embassy, in the course of their travels through the empire, of the garrisons in the cities of the several orders, and of the military posts at small distances from each other, there appeared nothing unlikely in the calculation of the infantry; but they met few cavalry. If the number mentioned really do exist, a great proportion of them must be in Tartary, or on some service distant from the route of the Embassy.

Of the troops, especially cavalry, a vast number are Tartars, who have a higher pay than their Chinese fellow-soldiers. The principal officers of confidence in the army are Tartars also. None of either nation are received into the service, but such as are healthy, strong, and slightly. The pay and allowances of a Chinese horseman are three Chinese ounces, heavier than European ounces, and three-tenths of an ounce, of silver, and fifteen measures, or rations (the weight not mentioned), of rice every lunar month. A Tartar horseman, seven similar ounces of silver, and twenty measures of rice for the same period. A Chinese foot soldier, has one ounce and six-tenths of an ounce of silver, and ten measures of rice; and a Tartar of the same descrip-

tion, has two ounces of silver, and ten measures of rice every lunar month. The Emperor furnishes the arms, accoutrements, and the upper garment, to all the soldiers. Beside their ordinary pay and allowances, they also receive donations from the Emperor, on particular occasions; as when they marry, and when they have male children born. On the death of their parents, they obtain "a gift of consolation;" as do their families when the soldiers themselves die.

A military life is much more the bent of a Tartar than of a Chinese. The hardy education, the rough manners, the active spirit, the wandering disposition, the loose principles, the irregular conduct of the former, fit him better for the profession, practice, and pursuits of war, than the calm, regulated, domestic, philosophical, and moral habits of the latter. Warriors seem more naturally the offspring of Tartary, as literati are of China. The latter are chiefly conversant in the sciences of morals, and of the policy of government, which are often united in the contemplation, and in the works, of their lawgivers and philosophers. Some of their principal writers have succeeded in clothing their lessons of morality, in a dress so pleasing and instructive,

as to delight the Chinese, as much as an English reader can be, for example, with the reflections of a Johnson in his Rambler, or his Rasselas. Next to the studies which teach the economy of life, and are connected with it, the Chinese value most the history of the events of their own country, which is, to them, the globe; and of the celestial movements which they had an opportunity of observing at the same time. In regard to the former, some mention has been already made, of the constancy and regularity with which every fact was recorded by them, and carefully transmitted to posterity, with little mixture of supernatural events, which have destroyed the credit of the first accounts of most other nations. In regard to the latter, nothing can be so well calculated to excite curiosity, and occasion admiration, as the sight which the clear atmosphere of China allows, almost always, to its inhabitants, of an azure firmament spangled with stars. The vicissitudes of day and night, of summer and winter, the different phases of the moon, exhibit appearances too striking not to claim attention, in the rude as well as cultivated stages of society. The shepherd attending his flocks, the husbandman tilling his ground, must have had frequent occasion to consult the heavens. A correspon-

dence was observed between their motions, and the state of the temperature, and period of the productions of the earth. To ascertain such a correspondence for a constancy, or to regulate the return of the seasons, was both so useful and so satisfactory, that divers efforts were made to arrive at it, and to form systems of astronomy and chronology. The succession of ideas, or of human events, was too uncertain and irregular to serve for the admeasurement of time, which could be taken, therefore, only from the steady revolutions of celestial bodies. The first division of time was, no doubt, derived from the interval between the rising and setting of the sun; the next was taken from the changes in the appearance of the moon's size and form, and the last from the recurrence of the sun to the neighbourhood of the same fixed stars. It was at first imagined that the last period, or a year, was equal to twelve complete changes of the moon; but when by following such a division for about sixteen years, it was found that the season that had been fixed for summer, would arrive in winter, various contrivances were devised, by the occasional intercalation of a month, to correct the calendar, or produce a nearer correspondence in the calculations of the respective motions of those

celestial bodies. In a climate favourable to astronomy, the balance of hours beyond the number of days during which the sun appeared to return opposite to, and to obscure, or to mix among, the same fixed stars, might be ascertained in a short time; and occasioned the addition of a day to every fourth year, in order to maintain regularity in the computation of time, in regard to the return of the seasons; but many ages must have past before a period could have been discovered, in which the unequal returns of the sun and moon were so accurately adjusted, that at its termination the new and full moons should return, not only to the same day, but within an hour and half of the time they had happened, when the period commenced. The knowledge of such a period, or cycle, could be obtained only by a multiplicity of careful and accurate observations. Many revolutions of those great luminaries must have been completed, and numberless conjunctions have past over, before their returns could be ascertained to happen in the same day, at the end of nineteen years. The small difference of time between the returning periods of this cycle, was partly lessened by the invention of another of sixty years, or of seven hundred and twenty revolutions of the moon,

which, with the settled intercalation of twenty-two lunations, were at first supposed to bring a perfect coincidence of the relative positions of the sun and moon; but even according to this period, every new year was made constantly to recede, in a very small degree, which the Chinese corrected afterwards from time to time. This cycle answered a double purpose, one as an era for chronological reckoning, and the other as a regulating period for a luni-solar year. Each year of the cycle is distinguished by the union of two characters, taken from such an arrangement of an unequal number of words placed in opposite columns, that the same two characters cannot be found again together for sixty years. The first column contains a series of ten words; the other, twelve: which last are, in fact, the same that denote the twelve hours or divisions of the day; each being double the European hour. The first word or character of the first series or column of ten words, joined to the first word of the second series or column of twelve, marks the first year of the cycle; and so on until the first series is exhausted; when the eleventh word of the second series combined with the first of the first series, marks the eleventh year of the cycle; and the twelfth or last of the second series joined with

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the second of the first series, serves for denoting the twelfth year. The third of the first series becomes united in regular progression with the first of the second series, to mark the thirteenth year; and proceeding by this rule, the first character in the first and in the second series cannot come again together for sixty years, or until the first year of the second cycle. The Christian year 1797, answers to the fifty-fourth year of the sixty-eighth Chinese cycle, which ascertains its commencement to have been two thousand two hundred and seventy-seven years before the birth of Christ; unless it be supposed that the official records and public annals of the empire, which bear testimony to it, should all be falsified; and that the cycle when first established should have been antedated; which is indeed as little probable as that the period, for example, of the Olympiads, should be asserted to have commenced many ages prior to the first Olympic games.

The cycle of sixty years is used likewise by the Hindoos of the Peninsula of India, in dating many of their transactions; and also by the Siamese, upon the coast of Eastern Asia. Some traces of a communication between the former and the Chinese, may be inferred from the circumstance of the Hindoo solar year having com-

menced at the winter solstice, as the Chinese year does still : and it is recorded of the Chinese that they formerly coasted within, or nearly within, sight of land, from Canton to the Red sea and Persian gulf.

The Chinese annals are not confined to the relation of political events : but take notice likewise of uncommon appearances in the heavens, or of great natural changes in the country where the annalists resided. Several conjunctions of the planets are mentioned by them ; one of the most ancient of which is denied by a celebrated astronomer, Cassini, to have taken place at the time assigned to it by the Chinese ; but his calculation is in its turn, asserted to be erroneous, by a no less able and learned writer, Bailly. The authenticity, indeed, of the observation, is compatible with inaccuracy in the description of the time it had happened ; the calculation of which must have partaken of the imperfection of the calendar then in use. If the relation of those celestial appearances had been perfectly and minutely correct, a suspicion might arise of their having, at a subsequent period, been calculated back for the purpose of leading to a belief of the high antiquity of the nation, where such observations were supposed to have been made. To judge by

the state of astronomical science at this time in China, it is most likely that if the Chinese had been ever able to predict eclipses, it must have been by the means of long and repeated observations, and not by calculation. Two astronomers are indeed mentioned to have been severely punished for having neglected to foretell an eclipse of the sun, which happened about noon on the first day of the ninth moon of the year 2155 before the Christian era. But it is said that there must be some deceit or error in this account, at least as to time; for it appears by calculation, that no such eclipse was then visible in China, tho' it was so in other meridians of the latitude of Pekin. The Chinese are said to have possessed, three hundred years before the birth of Christ, a treatise of clepsydras and gnomons, the latter of which directs how to find the latitude of a place, and to draw a meridian line: a degree of knowledge not attained, at that period, even by the Romans, who, for a considerable time, had no other way of determining the meridian, or mid-day, at Rome, than that of observing when the sun came between the Senate-house and the Tribune; and who used for many years a sun-dial calculated for another latitude, imagining that it was equally applicable to all places: an error into which

the Chinese are since accused of falling themselves.

The records of China mention an event, of which the gentlemen of the Embassy found that a tradition continued in the country to this time. The great stream of the Yellow river is described to have burst its banks, and by its vast inundation, to have caused dreadful havoc among the neighbouring inhabitants. The name and particulars relative to the person who undertook to drain off the waters, and to restrain the river for the future within its banks; the methods he took to effect his purpose, together with the time he was employed in them, are so circumstantially detailed, as to give a strong appearance of veracity to the relation. In the course of this person's operations, he is said to have constructed a chart of the countries adjacent to the Yellow river, which now exists in the Shoo-king, or one of the sacred books of China. The antiquity of this rude chart is marked by the division then subsisting of that great river, in its passage through the province of Kiang-nan, into two branches of equal size, one of which turns off directly to the northward, and falls into the gulf of Pe-che-lee; while the other follows the course in which the whole of the river runs at present. No accounts of

a general deluge are mentioned in Chinese history.

However imperfect in the science of astronomy the Chinese are, they have some idea of imaginary circles in the heavens, such as the ecliptic, which they call the yellow road, the equinoctial, and a meridian line. The constellations, or clusters of stars, are not represented by fanciful resemblances, but are connected together by lines upon their charts. The number of planets known to them is five, which corresponds to that of the elementary substances, they suppose to enter into the composition of all bodies; namely, fire, water, earth, wood, and metal, over each of which a planet is supposed to preside. Few of the Chinese seem to have any idea of the earth's motion; but imagine that the sun actually moves through the fixed stars. Four points in his course along the yellow road, are particularly distinguished, as marking the four seasons of the year. The day is divided, as by the ancient Egyptians, into twelve parts only, consisting each of two European hours; the first beginning at eleven at night.

Those portions of time are measured with tolerable accuracy, by means of a lighted taper

made from the pith of a particular tree, of which the consumption by ignition is so regular, that divided into twelve equal parts, each continues burning during the twelfth part of twenty-four hours. The gradual motion of sand, and the descent of liquids, have been likewise applied to the same purpose.

The Chinese often employ very awkward and laborious means for effecting several purposes desirable in society. To announce the hour, even in Peking, they have no better method than that of striking with a mallet upon a large bell a number of blows correspondent to that of the hour, by a person who must wait and watch the progress of time, as indicated by some of the methods just described. They have no characters, independently of those in their common language, to express numbers in an abbreviated manner, such as the Arabic figures used by the Europeans, who were led to the adoption of them, from the inconvenience of marking quantities constantly in alphabetic letters. Without the use of Arabic, or similarly abridged figures, it must be difficult and tedious, if practicable, to perform the operations of arithmetic, which require particular positions of single signs. The Chinese indeed have less occasion for such, as those ope-

rations are performed by them, without writing, by the means of the swan-pan. When, however, they have occasion to express numbers in their writings they have recourse to their own characters, each of which signifies a whole number, independently of its relative position: a method less tedious than the expression of the same numbers by the letters of alphabetic writings; but which by no means equal the concise view of the same quantity in Arabic figures. The universal multiplication and subdivision of all quantities among the Chinese by decimal proportions, facilitates their calculations, and prevents the necessity of searching for methods to abridge them.

In the early stages of society, when the pressing wants of men sharpen invention for their supply, no local circumstances forced, upon the Chinese, the obligation of considering with attention the nature of lines and surfaces; or of drawing consequences from the consideration, or combination of their properties. The inundations of the Chinese rivers, neither arose to such a height, nor continued upon the adjoining grounds, for such a period, as to require calculations to be made of their extent or depth; which is described to have been the case in Egypt, where

geometry is supposed to have taken its rise. Neither in ancient or modern times, have the Chinese had, like other nations, such a communication with the rest of mankind; as to imitate their examples, or borrow from their discoveries. Instances are mentioned of princes of China having made a considerable proficiency in mathematical knowledge, under missionaries in the service of the court; but neither the policy of government, nor that of the missionaries themselves, even if their religious avocations had not employed most moments of their time, would probably permit the extension of such instructions to the public, who might abate somewhat of the admiration towards their rulers, for their solemn prediction of eclipses, when the science which furnished the means of doing so, should be generally known, and when, consequently, the want of the missionaries for the construction of their almanacs could be supplied by the natives.

The Chinese are, in fact, dependent in this respect upon the learning of other nations. The increasing importation of the productions of other countries into the Chinese ports, created another species of dependence; which several statesmen of China, especially Tartars, consi-

dered as an evil, and were desirous to discourage, by aggravating to the Chinese cabinet every inconvenience or disturbance occasioned by the admission of foreign trade. To guard as much as possible against accident, which might endanger the continuance of a commercial intercourse with China, was perhaps among the motives that determined the nations concerned in it to continue the trade in the hands of the public companies established to carry it on; nor are there any private merchants from Europe allowed to settle at Canton, except such as reside there under commissions from sovereign powers. If, in fact, the European trade has not been maintained there without some difficulty, notwithstanding all the caution, good faith, punctuality, and forbearance of the agents of public companies, it is much to be apprehended that when such qualities could not be expected to be so invariably exerted by individuals, not always guided by experience, or acting upon strict and uniform principles, disputes might arise, frauds be attempted, and events take place, of which the enemies of foreigners might take advantage to exclude them altogether. The present restraints upon foreign commerce did not, in fact, always subsist in China; but were established in consequence of dissatisfaction

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having been felt by the government of the country, at the supposed misconduct of the Europeans who frequented their ports, all of which were equally open formerly to strangers. The accounts of voyages to China in the sixteenth and seventeenth centuries, before and since the Tartar conquest, mention the arrival of ships, passengers, and goods from Europe, at different ports of China, without any sort of molestation from the government or individuals; and travellers in Chinese dresses traversed the empire without danger; but since that period, upon every complaint, often either ill founded, or exaggerated by an oppressive magistrate, or interested individual, and transmitted to the distant court of Pekin, against the English or others, who had no friends there to defend their cause, some new restriction was put upon their commerce and their conduct: confirming and heightening the prejudices of the vulgar against them, and operating to the personal disgust of the agents upon the spot, as well as to the disadvantage of their employers at home. These facts might perhaps be added to the solid arguments for prolonging the charter to the Company, which were submitted by the Chairman of the Court of Directors, already mentioned in the beginning of this work, to the Minister under

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whose particular control the British interests in Asia had prospered for several years. The question whether the charter should be renewed was, indeed, of considerable magnitude; and was taken at this time into impartial consideration; but was of nice decision. The popular opinions of Adam Smith are in opposition to all monopolies; but his theory is founded upon principles which do not apply to the practice in the present instance, a practice fitted to the particular expediency of the case. It must have been allowed, no doubt, with that able writer, that in carrying on commerce to neighbouring countries, of which the habits, prejudices, and wants are well known to every mercantile individual, and where an intercourse may be maintained by moderate capitals, the separate and emulating exertions of a great number of persons were likely to push it to the utmost extent of which it is susceptible; and on the effect of those exertions depend the advantages of a trade so circumstanced, being laid entirely open. But it is otherwise with a distant branch of commerce, in which, to be carried on beneficially for the state, its manufactures require for a time to be exported at a loss, to a remote country, and large advances are requisite to be made for the imports from thence. Such must

be exclusively entrusted to a body, who can afford to have large capitals long outstanding; and who also, by their connection with government, have the public advantage no less in view than their private gain.

Such a body, whatever may be the occasional returns upon their joint undertakings, dividing only among themselves a very moderate profit beyond the common interest of money; a body, the individuals of which derive no benefit, but which is open, upon the same terms, to every other person who chooses to become a member of it, especially if he has the option of sending goods for sale on his own account, does not appear to be a just object of jealousy to the rest of the community; and unites the advantages of an open trade, with the beneficial management of a privileged company; and if in the event of extraordinary profits, the same are to be divided with the state which protects it, at a great expence, such an establishment promises to be more advantageous to the public in its collective capacity, than the chance of a successful trade by individuals, who might be enriched by it, without any security to the parent government, for the expence and risk incurred in the support of it.

This method of trading by the means of com-

panies, rather than with individuals, was so consonant to the ideas of the Chinese, and appeared so necessary to them for the security of all mercantile transactions, as well as for the maintenance of tranquillity among those who carried them on, that on their part they established a society of Hong, or united merchants, who are answerable for one another both to the government and to foreign nations. They are allowed, indeed, to assess among themselves, a tax upon the goods they have for sale, for the purpose of defraying the charges to which they are liable in their collective capacity; tho this tax is in fact an increase of price to the purchaser, and must in most cases fall ultimately upon the consumer.

The Hong-merchants, in matters not clashing with their own interest, are well disposed towards the foreign agents of the European companies; but seldom venture to urge with effect, in the name of such foreigners, any remonstrance of their just complaints. Bred in the awe which the heavy hand of arbitrary power had impressed upon their minds, the characteristic disposition of the Chinese merchants is that of timidity and caution. They sometimes suppressed the representations of their foreign friends, and sometimes rendered them so weak and insignificant, and

assumed in the name of the complainants such a suppliant and abject style, that they excited the contempt of the mandarines, as well as encouraged their depredations and ill treatment. The Commissioners were aware of the advantage that might result from communicating their sentiments through some of the Company's own servants, upon whom they could depend; and took pains, therefore, to encourage in the factory an application to the study of the Chinese language. A knowledge of the language of any country frequented for trade, cannot indeed fail of being useful, in guarding against the impositions to which strangers are every where liable. It is particularly true in China; and in all places guilt is fearful of detection. The oppressor wishes to avoid the publication of his wrongs; and a rapacious extortioner may be apt to shrink before a complaint urged in clear and firm language. It was, indeed, difficult for a foreigner to learn Chinese even in Canton, a Chinese city. A jargon peculiar to the place is spoken there by all classes, except the mandarines, who are never natives of the province; and who must be addressed, either in speaking or writing, in the general language of the empire. It has been mentioned in the beginning of this work, that instructors were pro-

hibited from teaching it to strangers. This circumstance became one of the subjects of remonstrance from the Ambassador to the Viceroy, who could scarcely credit an assertion that implied in the government or people of Canton, a deliberate intention of depriving foreigners of the opportunities of transacting their own business, as well as of learning how they were best to follow the laws and customs of the country.

It must, however, be a subject of some encouragement to learners, that many natives of Canton, allured by the advantage of dealing with the foreign factories, are able to acquire enough of European languages, to make themselves understood, in common matters, notwithstanding a difficulty to which Europeans are not liable in learning Chinese. The sounds of several letters in most alphabets, such as B, D, R, and X, are utterly unknown in the Chinese tongue. The organs of speech, in a native of China are not in the habit of pronouncing them. In endeavouring to utter one of these, another to which the same organ has been habituated is generally sounded: instead of the letter R, the liquid L is usually pronounced by a Chinese; who thus occasionally falls into ridiculous mistakes. A Chinese dealer in rice, for example, is sometimes

heard to offer for sale what few persons would be disposed to purchase.

The nice distinctions between the tones and accents of words nearly resembling each other in sound, but varying much in sense, require, no doubt, a nicety of ear to distinguish, and of vocal powers to render, them exactly. To succeed in making those distinctions perfectly, a stranger should begin to learn them at an early age, while his organs are flexible and acute. A material aid, however, towards taking each word in its proper sense is afforded often by the general context of the sentence in which they are used. An English reader, for example, will scarcely recollect, when in conversation, that he ever had any difficulty in determining whether the idea of sun (which shines), or that of son (obeying his father), was meant to be conveyed, tho the words are not to be distinguished in the pronunciation. Synonymous words are also very frequently introduced in Chinese dialogue, as has been before observed, to prevent any doubt about the intended sense. If, however, in an intricate discussion, any uncertainty should still remain as to the meaning of a particular expression, recourse is had to the ultimate criterion of tracing with the finger in the air, or otherwise, the form

of the character, and thus ascertaining at once which was meant to be expressed.

The learner of Chinese is, besides, not puzzled with many minute rules of grammar, conjugation, or declension. There is no necessity of distinguishing substantives, adjectives, or verbs: nor any accordance of gender, number, and case, in a Chinese sentence. That language furnishes, indeed, a practical proof, that the laborious structure, and intricate machinery of the Greek and Arabic tongues, are by no means necessary either for a complete communication on all the business of life, or even to the grace of elocution, or to the harmony of verse. The beginning or end of words is not altered, as it is in the Greek verb alone, in above one thousand instances, by the times of performing the action meant to be expressed, or the cases in which the things mentioned are intended to be placed. A very few particles denote the past, the present, and the future; nor are those auxiliaries employed when the intended time may be otherwise inferred with certainty. A Chinese who means to declare his intention of departing to-morrow, never says that he *will* depart to-morrow; because the expression of the morrow is sufficient to ascertain that his departure must be future. The plural num-

ber is marked by the addition of a word, without which the singular always is implied. Neither the memory, nor the organs of speech are burdened with the pronunciation of more sounds to express ideas, than are absolutely necessary to mark their difference. The language is entirely monosyllabic. A single syllable always expresses a complete idea. Each syllable may be sounded by an European consonant preceding a vowel, sometimes followed by a liquid. Such an order of words, prevents the harshness of succeeding consonants sounding ill together; and renders the language as soft and harmonious as the Italian is felt to be, from the rarity of consonants, and the frequency of its vowel terminations.

The first sounds emitted probably by man, were exclamations consisting of single sounds, or monosyllables. The names, or sounds, by which men may be first supposed to have distinguished other animals, when occasion offered to designate them in their absence, were attempts at an imitation of the sounds peculiar to those beings; and still, in Chinese, the name, for example, of a cat, is a pretty near resemblance of its usual cry. It occurred as naturally to endeavour, in speaking, to imitate the voice, if practicable, as it was in writing, to sketch a rude figure of

the object of description. It is observable, that the radical words of most languages, separated from the servile letters, which mark their inflections, according to their conjugations or declensions, are monosyllabic. A part of each radical word is retained in composition to denote the meaning and etymology of the compound, which thus becomes polysyllabic; but the Chinese grammarians, aware of the inconvenience resulting from the length and complication of sounds, confined all their words, however significant of combined ideas, to single sounds; and retained only in writing, some part, at least, of the form of each character denoting a simple idea, in the compound characters conveying complex ideas.

There is in the Chinese a certain order or settled syntax in the succession of words in the same sentence; a succession fixed by custom, differently in different languages; but founded on no rule or natural order of ideas, as has been sometimes supposed; for tho a sentence consists of several ideas, to be rendered by several words, these ideas all exist, and are connected together in the same instant: forming a picture, or image, every part of which is conceived at once. The formation of Chinese sentences is often the simplest and most artless possible, and

such as may naturally have occurred at the origin of society. To interrogate, for example, is often, at least, to require the solution of a question, whether the subject of doubt be in a particular way, or the contrary; and accordingly, a Chinese inquiring about his friend's health, will sometimes say, *hou*, *poo hou*? The literal meaning of which words is, "well, not well?" A simple character, repeated, stands sometimes for more than one of the objects, which singly, it denotes; and sometimes for a collective quantity of the same thing. The character of *moo*, singly, is a tree; repeated, is a thicket; and tripled, is a forest.

In Chinese, there are scarcely fifteen hundred distinct sounds. In the written language, there are at least eighty thousand characters, or different forms of letters; which number, divided by the first, gives nearly fifty senses, or characters, upon an average, to every sound expressed: a disproportion, however, that gives more the appearance, than the reality, of equivocation and uncertainty to the oral language of the Chinese. Johnson's English Dictionary affords instances of words taken in upwards of one hundred different senses, without any doubt being thereby felt in English conversation; where, indeed, if there were, no recourse can be had for ascer-

taining its precise sense, as in the Chinese, to the form of the written character peculiar to each sense in which the word is received.

The number of words in any language, or at least of senses in which each word is understood, must depend chiefly on the state of civilization to which the people that use it are arrived; and in some degree also, on the population of the country, and on the arts flourishing among them. It is not surprising, therefore, that the Chinese dictionary should contain, at least, eighty thousand characters. Perhaps if every sense in which an English term is sometimes received, were considered as a distinct word, and the vast variety of those employed in the different arts and occupations of life were taken into the account, the number would not be much fewer than that of the Chinese.

The characters of the Chinese language were originally traced, in most instances, with a view to express either real images, or the allegorical signs of ideas; a circle, for example, for the sun, and a crescent for the moon. A man was represented by an erect figure, with lines to mark the extremities. It was evident that the difficulty and tediousness of imitation will have occasioned soon a change to traits more simple, and

more quickly traced. Of the entire figure of a man, little more than the lower extremities only continue to be drawn, by two lines forming an angle with each other. A faint resemblance, in some few instances, still remains of the original forms in the present hieroglyphic characters; and the gradations of their changes is traced in several Chinese books. Not above half a dozen of the present characters consist each of a single line; but most of them consist of many, and a few of so many as seventy different strokes. The form of those characters has not been so flux as the sound of words, as appears in the instance of almost all the countries bordering on the Chinese sea, or Eastern Asia, where the Chinese written, but not the oral language, is understood; in like manner as one form of Arabic figures to denote numbers, and one set of notes for music, are uniform and intelligible throughout Europe, notwithstanding the variety of its languages.

A certain order or connection is to be perceived in the arrangement of the written characters of the Chinese; as if it had been formed originally upon a system to take place at once, and not grown up, as other languages, by slow and distant intervals. Upwards of two hundred characters, generally consisting each of a few lines

or strokes, are made to mark the principal objects of nature, somewhat in the manner of Bishop Wilkin's divisions, in his ingenious book on the subject of universal language, or real character. These may be considered as the genera, or roots of language, in which every other word, or species, in a systematic sense, is referred to its proper genus. The heart is a genus, of which the representation of a curve line approaches somewhat to the form of the object; and the species referable to it include all the sentiments, passions, and affections, that agitate the human breast. Each species is accompanied by some mark denoting the genus, or heart. Under the genus "hand," are arranged most trades, and manual exercises. Under the genus "word," every sort of speech, study, writing, understanding, and debate. A horizontal line marks a unit; crossed by another line, it stands for ten, as it does in every nation which repeats the units after that number. The five elements of which the Chinese suppose all bodies in nature to be compounded, form so many genera, each of which comprehends a great number of species under it. As in every compound character, or species, the abridged mark of the genus is discernible by a student of that language, in a little

time, he is enabled to consult the Chinese dictionary, in which the compound characters, or species, are arranged under their proper genera. The characters of these genera are placed at the beginning of the dictionary, in an order, which, like that of the alphabet, is invariable, and soon becomes familiar to the learner. The species under each genus follow one another, according to the number of strokes of which each consists, independently of a single or a few traits, which serve to point out the genus. The species wanted is thus soon found out. Its meaning and pronunciation are given through two words in common use, the first of which denotes its signification, and the other, its sound. When no one common word is found to render exactly the same sound, it is communicated by two words, with marks, to inform the inquirer that the consonant of the first word, and the vowel of the second, joined together, form the precise sound wanted.

The composition of many of the Chinese characters often displays considerable ingenuity; and serves also to give an insight into the opinions and manners of the people. The character expressive of happiness, includes abridged marks of land, the source of their physical, and of children, that of their moral enjoyments. This cha-

racter, embellished in a variety of ways, is hung up almost in every house. Sometimes written by the hand of the Emperor, it is sent by him as a compliment, which is very highly prized; and such as he was pleased to send to the Ambassador.

Upon the formation, changes, and allusions of compound characters, the Chinese have published many thousand volumes of philological learning. No where does criticism more abound, or is more strict. The introduction, or alteration of a character is a serious undertaking; and seldom fails to meet with opposition. The most ancient writings of the Chinese are still classical amongst them. The language seems in no instance to have been derived from, or mixed with, any other. The written, seems to have followed the oral, language soon after the men who spoke it were formed into a regular society. Tho it is likely that all hieroglyphical languages were originally founded on the principles of imitation, yet in the gradual progress towards arbitrary forms and sounds, it is probable that every society deviated from the originals, in a different manner from the others; and thus for every independent society, there arose a separate hieroglyphic language. As soon as a communication took place between any two of them, each would hear

names and sounds not common to both. Each reciprocally would mark down such names, in the sounds of its own characters, bearing, as hieroglyphics, a different sense. In that instance consequently, those characters cease to be hieroglyphics, and were merely marks of sound. If the foreign sounds could not be expressed but by the use of a part of two hieroglyphics, in the manner mentioned to be used sometimes in Chinese dictionaries, the two marks joined together, become in fact a syllable. If a frequent intercourse should take place between communities, speaking different languages, the necessity of using hieroglyphics merely as marks of sound, would frequently recur. The practice would lead imperceptibly to the discovery that, with a few hieroglyphics, every sound of the foreign language might be expressed; and the hieroglyphics, which answered best this purpose, either as to exactness of sound, or simplicity of form, would be selected for this particular use; and, serving as so many letters, would form, in fact, together what is called an alphabet. This natural progression has actually taken place in Canton, where, on account of the vast concourse of persons, using the English language, who resort to it, a vocabulary has been published of

English words in Chinese characters, expressive merely of sound; for the use of the native merchants concerned in foreign trade; and who, by such means, learn the sounds of English words. To each character is annexed a mark, to denote that it is not intended to convey the idea, but merely the foreign sound attached to it. The habit of applying the sound, instead of the meaning of hieroglyphics, to foreign words, led to the application of them likewise as sounds, to assist the memory in the pronunciation of other hieroglyphics in the same language, but not in common use; and the repeated application of them for those purposes may be at length supposed to have effaced their original use. Thus the passage from hieroglyphic to alphabetic writing may naturally be traced, without the necessity of having "recourse to divine instruction, as some learned men have conjectured, on the ground that the art of writing by an alphabet is too refined and artificial for untutored reason." It is, indeed, equally natural to suppose that no such art could have preceded the establishment of hieroglyphic, as that a mixture of other nations superinduced the invention of alphabetic language. The exclusive existence of the former still in China is a proof and an instance, that the

number of foreigners who had ever found their way among them, as the Tartars, for example, however warlike and victorious, bore so very small a proportion to the vanquished, that it introduced no more a change in their language, than in their usages and manners.

The Chinese printed character is the same as is used in most manuscripts, and is chiefly formed of straight lines in angular positions, as most letters are in Eastern tongues: especially the Shanscrit, the characters of which, in some instances, admit of additions to their original form, producing a modification of the sense. A running hand is used by the Chinese only on trivial occasions, or for private notes, or for the ease and expedition of the writer; and differs from the other as much as an European manuscript does from print. There are books with alternate columns of both kinds of writing, for their mutual explanation to a learner.

The principal difficulty in the study of Chinese writings, arises from the general exclusion of the auxiliary particles of colloquial discourse, that fix the relation between indeclinable words, such as are all those of the Chinese language. The judgment must be constantly exercised by the student, to supply the want of such assist-

ance. That judgment must be guided by attention to the manners, customs, laws, and opinions of the Chinese, and to the events and local circumstances of the country, to which the allusions of language perpetually refer. If it, in general, be true that a language is difficult to be understood in proportion to the distance of the country where it is spoken, and that of him who endeavours to acquire it; because in that proportion the allusions to which language has continually recourse are less known to the learner, some idea may be conceived of the obstacles which an European may expect to meet in reading Chinese, not only from the remoteness of situation, but from the difference between him and the native of China in all other respects. The Chinese characters, are, in fact, sketches or abridged figures, and a sentence is often a string of metaphors. The different relations of life are not marked by arbitrary sounds, simply conveying the idea of such connection; but the qualities naturally expected to arise out of such relations become frequently the name by which they are respectively known. Kindred, for example, of every degree, is thus distinguished, with a minuteness unknown in other languages. That of China has distinct characters for every modi-

fication, known by them, of objects in the physical and intellectual world. Abstract terms are no otherwise expressed by the Chinese, than by applying to each the name of the most prominent objects to which it might be applied, which is likewise, indeed, generally the case of other tongues. Among the Latins, the abstract idea of virtue, for example, was expressed under the name of valour, or strength (*virtus*), being the quality most esteemed amongst them, as filial piety is considered to be in China. The words of an alphabetic language being formed of different combinations of letters, or elemental parts, each with a distinct sound and name, whoever knows and combines these together, may read the words without the least knowledge of their meaning; not so hieroglyphic language, in which each character has, indeed, a sound annexed to it, but which bears no certain relation to the unnamed lines or strokes, of which it is composed. Such character is studied and best learned by becoming acquainted with the idea attached to it; and a dictionary of hieroglyphics is less a vocabulary of the terms of one language with the correspondent terms in another, than an encyclopedia, containing explanations of the ideas themselves, represented by such hieroglyphics. In

such sense only can the acquisition of Chinese words be justly said to engross most of the time of men of learning among them. The knowledge of the sciences of the Chinese, however imperfect, and of their most extensive literature, is certainly sufficient to occupy the life of man. Enough, however, of the language is imperceptibly acquired by every native, and may, with diligence, be acquired by foreigners, for the ordinary concerns of life; and further improvements must depend on capacity and opportunity.

The Viceroy promised the Ambassador that no obstruction should be given on the part of government to the acquisition of the Chinese language by foreigners. He was, indeed, confirmed in his good disposition to protect the English, by the late dispatches from the Emperor, in which his Imperial Majesty expressed how welcome the return of an English Minister to his court would be to him. He desired that notice should be immediately given to him of the Minister's arrival at Canton, to which place he should send proper persons to receive and conduct him to Peking. The Viceroy added, out of another letter from the Emperor, that as he meant to resign his crown in the fifty-seventh year of the current cycle, answering to the year 1796 of the

Christian era, he should be glad to see such Minister by that time, or as soon afterwards as might be convenient. Thus the Embassy, according to the expectations which led to the undertaking, but contrary to the prospects which clouded it sometimes in its progress, succeeded, at length, not only in obtaining permission, but receiving an invitation, for a similar intercourse with the court of China, whenever the Government of Great Britain and the Company shall deem expedient to renew it.

The present Ambassador, and his suite, and attendants, Europeans and Chinese, continued at Canton to have all their expences defrayed by his Imperial Majesty.

This consideration alone would have been sufficient to induce his Excellency to remove to, and wait for the departure of the Lion at Macao, where he might be supposed to be out of the Chinese territories, and no longer, consequently, at the Emperor's charge. The same honours were paid to the Ambassador on his leaving, as he had received on his arriving at, Canton. The attention of the Viceroy towards him was uniform throughout. His personal regard seemed to increase in proportion to his further acquaintance with his Excellency; as well as the conse-

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quent inclination he avowed in favour of the English, whose enemies became secretly those of the Viceroy likewise.

The Ambassador's mandarine friends, Chow and Van-ta-zhin, did not part without tears from his Excellency and the gentlemen who accompanied him, and with whom they had been most intimate. They had travelled together for several months, and through a course of more than fifteen hundred miles. During that time they lived together as familiarly, as cordially; and the two mandarines took as lively an interest in every event of the Embassy, as those could do who belonged to it. After their separation, to see each other no more, the mandarines sent on board the *Lion* presents of refreshments, and other little tokens of remembrance and regard.

The Embassy, in passing by the forts which are supposed to command the passage of the river to Macao, perceived that they were nearly in the state described by the adventurous English in the beginning of this work; but a large encampment was now, besides, observed along the eastern bank of the Kiang-ho. In general, a greater number of troops than in any of the interior provinces, were quartered throughout the frontier province of Canton, as a general measure of

precaution required by its situation, and in order to awe the foreigners from different countries, who resorted to its principal port.

The Ambassador was received and entertained with great politeness by the governor of Macao. This Portuguese settlement is situate at the southern extremity of an extensive island, separated only by rivers from the southern continent of China. This southern extremity, which, together with the harbour formed by it, had been granted by the Chinese government to the Portuguese, is connected only with the remainder of the island by a long neck of land, not exceeding a hundred yards across, which was probably formed by the sand thrown up by the opposite beating of the waves on each side. Across it a wall has been erected, which projects into the water at each end, with a gate and guardhouse in the middle, for Chinese soldiers. This wall is constructed of oyster shells, which are found, in those seas, of an enormous size, and are the same that, when divided into thin laminæ and polished, serve in the windows at Macao and the southern parts of China, as Corea paper does in the northern provinces, and glass in Europe. Beyond this boundary of the possessions of the Portuguese, they are seldom permitted to pass. Their

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territory on this island, is scarcely eight miles in circuit. Its greatest length, from north-east to south-west, being under three miles; and its breadth less than a mile. In this small spot the Portugueze, to whom it was granted, at the period of their power and enterprize, carried on for a long time a considerable trade, not only with the Chinese empire, where they, almost alone of all Europeans, then resorted; but likewise with other countries in Eastern Asia, particularly Japan to the east, and Tun-quin, Cochín-China, and Siam, to the south-west of China. In this traffic they soon enriched themselves, the marks of which remain in many large and costly public and private buildings in Macao, several now in a neglected state. It was so much a colony of commerce, that its government often lent money to individuals to carry it on, at a certain rate of interest, which the profits of their voyages enabled them to pay. At length luxury followed wealth. The spirit of the whole Portugueze nation declined. Those of Macao were enervated by the effects of a climate within the tropics. Events took place which deprived them of all intercourse with Japan, one great source of their advantages. Revolutions in other countries where they traded, rendered speculations there preca-

rious, and often unfortunate to the undertakers. The settlement gradually fell from its former prosperity.

The Portuguese settlers still fit out a few vessels, and send cargoes to some of the neighbouring countries. Others lend their names, for a trifling consideration, to foreigners belonging to the Canton factories, who reside part of the year at Macao. These, with more capital, credit, connections and enterprize, are more successful; but require to be nominally associated with Portuguese, in order to be allowed to trade from the port of Macao. The money spent in that settlement by the Canton factories, is likewise an advantage to the place; tho some of the inhabitants consider it as more than counterbalanced by the large proportion of the profits of its trade, engrossed by those persons, which the Portuguese might otherwise enjoy. They are too proud and indolent, to descend to the lower occupations of husbandmen, or artificers. There is not, perhaps, throughout their territory a single labourer, or artist, or shopkeeper, who is a Portuguese, either by birth, or descent. The whole population amounts to about twelve thousand, considerably above half of which are Chinese. The broadest part of this little peninsula to the north-

ward of the town, is cultivated entirely by the latter. The whole is nearly flat; and its soil is of a light and sandy texture: but by the skill and industry of its cultivators, its produce in most kinds of culinary vegetables, European and Asiatic, is sufficient for the consumption of the settlement. All the arts requisite for the comforts and convenience of life, are exercised by Chinese there. The market is supplied with grain and meat, from the Chinese part of the island, and sometimes from the main land. The Portugueze are above pursuing any other industry than that of commerce and navigation. Beside the military governor, the public administration is in a senate composed of the bishop, the judge, and a few other principal inhabitants. To minister to the devotion of little more than four thousand of Portugueze laity, there are thirteen churches, or chapels, and above fifty ecclesiastics, beside a French and an Italian clergyman, both of exemplary worth and piety, who are superiors of, and agents for, several of the missionaries in Eastern Asia. There are supposed to be one hundred Christian missionaries in the kingdoms of Tun-quin and Cochin-China, and about two hundred thousand persons professing Christianity. Not above one hundred

and sixty thousand Christians are calculated to be spread over all the Chinese empire, where priests are watched with strictness, and are exposed occasionally to persecutions. The missionaries in most places, except at Peking, lead a laborious, indigent, precarious, and, as to this world, hopeless life. Their pittance from Europe is truly trifling; and this pittance they divide frequently with their flock, more miserable, sometimes, than themselves. The chief comforts of the former are derived from a consciousness of the personal attachment and veneration of those disciples towards them. Some of the missionaries may indeed, besides, prefer this independent mode of life, such as it is, to the cloisters, to which they had been formerly confined; but, in general, their conduct implies sentiments and maxims rarely to be found, and scarcely suspected to exist, by the more worldly portion of mankind.

At Macao there is a large proportion of military officers to command about three hundred privates, composed of Mulattoes and Blacks. The garrison consisted, no doubt, formerly of a much greater number, to man the citadel, forts, and ramparts meant to guard the town, and mounted, still, with many pieces of brass and iron ord-

nance. The bishop, a worthy but bigotted prelate, has great sway in the government; and, by his measures and example, contributes to give a tone of devotion and religious observances, as the only material occupation, to a great majority of the people. There are three monasteries for men, and a convent of about forty nuns. Nearly the same number of females of loose character are confined, and can be released only on being married. There is a striking contrast between the busy and unceasing industry of the Chinese, and the indolence of a Portugueze, sauntering about the square of the senate-house in the intervals between matins and vespers. Nor is it very uncommon for an Englishman to be accosted by such a man in threadbare finery, with the addition of a bag and sword, soliciting for charity.

In the senate-house, which is built of granite, and two stories high, are several columns of the same material, with Chinese characters cut into them, signifying a solemn cession of the place from the Emperor of China. This solid monument is, however, an insufficient guard against the encroachments of its Chinese neighbours, who treat the Portugueze very cavalierly; exact duties sometimes in the port of Macao; punish individuals within their walls for crimes com-

mitted against Chinese, particularly murder; and, what is not less offensive to the Portuguese, have sometimes marched with idolatrous processions through the town. Whenever resistance is attempted against such proceedings, the mandarine who commands in the little fort within sight of Macao, stops immediately the supply of provisions from their market until they quietly submit.

The Chinese possess two temples of pagan worship at Macao; one of them, at the southern extremity of the town, is curiously situated among a confused heap of huge masses of granite. The earth in which those masses appear to have originally been buried having been washed away, in the lapse of time, by successive showers of violent rain, the rocks must have tumbled promiscuously upon each other into the situation in which they now appear. The temple consists of three distinct buildings, one above the other, and accessible only by a winding flight of steps cut out of the solid rock. Those buildings are overshadowed by trees of thick foliage, and are not perceptible at a distance.

Between rocks, brought together probably in like manner, is a cave a little below the loftiest eminence in the town, and called Camoens's Cave;

from a tradition current in the settlement, that the Portuguese poet of that name, who had certainly resided a considerable time at Macao, wrote his celebrated poem of the *Lusiad* in that spot. This interesting cave is now in the middle of a garden belonging to a house where the Ambassador and two of his suite resided at Macao, upon an invitation from one of the gentlemen of the factory, who dwelt in it when not called upon to be at Canton. This house and garden command a very extensive prospect. In laying out the latter, none of its local advantages have been neglected. It possesses every variety of surface, and contains a number of beautiful shrubs and fruit trees, growing in such apparent irregularity as to look like the spontaneous production of the soil. The walks are conducted along the various slopes, amidst groves and under hanging rocks; and those walks meeting and crossing each other, increase in effect, as to diversity and recreation, the actual dimensions of the ground.

Opposite to this garden, in the middle of the harbour, is a small circular island, which belonged formerly to the Jesuits of Macao. On this island, were erected a church, a college,

and an observatory. This island is naturally romantic, and, like others in the neighbourhood of Macao, has most of its surface covered with huge rocks, tumbled in confusion one upon another. Among these a circular shaded path led to the summit of the island, which is completely conical. Round the base of this rocky cone is a band or belt of level ground, about thirty or forty yards in width, part of which was laid out for a botanical, and part for a kitchen, garden, and was well watered by springs issuing from the rocks.

The whole island was defended from the sea by a parapet wall. All the improvements fell to decay with the society to which it belonged; and the place retains only now some vestiges of its former beauties. The harbour in which this little island lies, is called the inner harbour, by way of contradistinction from the opposite or outer bay, more open to the sea, where ships are exposed to bad weather, especially during the north-east monsoon. It is the general observation of the mariners at Macao, that this outer bay has been gradually growing shallower for several years. It opens, on one side, into a basin formed by four islands, in which Lord

Anson's ship lay formerly to be repaired; but no such ship could enter into it at present.

Soon after his Excellency's arrival at Macao, his subsequent destination was determined by the receipt of letters from England, and from Batavia. By the former it appeared that the British government, having received no accounts that any fleet had been sent from France to the East Indies, which could endanger the China ships returning without convoy, and the public service requiring the employment of the British navy elsewhere, no English force had been ordered out for the protection of the Chinese fleet returning home. But the dispatches from Batavia, announced "the arrival, from the Isle of France, "in the straits of Sunda, in the direct track of "the China ships, of a squadron of the enemy, "consisting of one sixty-gun ship, a frigate of "forty, and another of twenty guns; that they "had taken the Princess Royal Indiaman, which "they soon converted into a ship of war; and it "was apprehended that a still larger force would "follow quickly." The account of the capture of the Pigot Indiaman, was known soon afterwards; and the danger which threatened the embarked property of the Company, to the amount

of three millions sterling, on board fifteen ships, bound from Canton to England, instantly decided the Ambassador to abandon all ideas of general policy and advantage, likely to accrue from any longer stay in the archipelago, or neighbourhood, of China ; and to accompany home the fleet in the *Lion*, destined to attend upon him, that he might thus secure the protection of a line of battle ship for so large a mass of British property.

This determination having been soon conveyed to different ports of Eastern Asia, two richly laden ships, one from Manilla, the other a Portuguese, put themselves also under the convoy of the *Lion*. As soon as all the ships were ready and assembled near Macao, the Ambassador embarked on board the *Lion*, leaving none of the gentlemen behind who had accompanied him to China, except Mr. Henry Baring, now a supercargo, at Canton, and the Chinese interpreter, who, in the dress and name of an Englishman, continued with his Excellency until the moment of his embarkation. This worthy and pious man, after bidding an affectionate farewell to the companions of his travels, and not a little affected by the separation from them, immediately

retired to a convent, where he resumed his Chinese dress, in order to proceed without delay, according to his original intention of devoting himself to the service and instruction of his poor fellow Christians, in the western provinces of China.

CHAPTER VI.

PASSAGE TO ST. HELENA; NOTICES OF THAT
ISLAND. RETURN HOME.

ON the seventeenth of March, 1794, the ships laden at Canton, for the English East India Company, joined the *Lion* under the little island of Samcock, near Macao. This fleet was increased by the Spanish and the Portuguese vessels mentioned in the last chapter. Scarcely any of the ships were without some force, and a good disposition of the whole co-operating with the *Lion*, might be equal to any strength which the enemy could bring against them in the Eastern seas. Sir Erasmus Gower assigned its station, in case of action, to each of the English ships, over which he was authorized to assume command. The Spanish captain, who had served in the navy of his own country, at this time in amity with Great Britain, and whose present ship was as strong as some of the English Indiamen, felt uneasiness, at her not being taken into the line of action, as if a reliance could not be

placed upon her commander; but on the circumstance being hinted to Sir Erasmus Gower, he instantly gave that brave and loyal foreigner, for such was his character, every mark of confidence and esteem, and stationed him to his perfect satisfaction.

The fleet, in steering in a southerly course, met more Chinese junks than any other vessels. Those junks sail generally with one monsoon and return with another. In the north-east monsoon they sail to Manilla, Banca, and Batavia; and return to Emouy and Canton, with that from the south-west. In tropical latitudes the height at which the quicksilver stands in the barometer, is subject to little variation, except on the approach of great commotions in the atmosphere. A fall of little more than the tenth of an inch towards the end of March, indicated foul weather; from which one of the ships suffered some damage. And the same happened again early in April.

In the straits of Banca, Sir Erasmus Gower received intelligence that the enemy's fleet had had a partial and indecisive action with some armed Indiamen, sent from Bengal to the assistance of the Dutch of Batavia; that the enemy was afterwards reinforced; but on hearing of the

China ships having the convoy of a ship of war; and fearing the union of superior force against them, had quitted the station, where they had expected to encounter only unprotected merchantmen. Three armed ships from Bengal soon afterwards joined the Lion, and would have been of considerable use, if the enemy had waited for them.

Near the straits of Banca a squadron was met, of small vessels, consisting of a snow, and ten Malay proas. The former carried fourteen six-pounders; and each of the latter from four to eight three-pounders. The captain of the snow was a Mahometan, apparently of Arabia, and the crews of the snow, as well as of the proas, were Malays. Those vessels were full of men, with pikes and side arms: and the decks were strewn with a kind of grape shot, composed of siliceous pebbles inclosed in a sort of basket-work. This squadron must have been fitted out for hostile purposes, against some particular enemy; or with views of general piracy. Sir Erasmus Gower had, however, too important a charge, to be diverted from it by any occasional occurrence, or to risk the delay of investigating the motives, and, if necessary, of taking measures for the punishment, of those people. It is among

the advantages of the European seas, that at least the subjects of the great powers, may navigate safely through them, without any other protection than that of a pass against Barbary corsairs. In the Chinese seas, force alone can insure the safety of navigators.

In the straits of Sunda the fleet completed its stock of wood and water, on the Java side, as preferable to that of Sumatra, for the reasons detailed in a former volume of this work.

Here the Jackall tender, having on board the tea, tallow, and varnish plants, to carry to Bengal, under the care of Dr. Dinwiddie, was left to accompany the armed Indiamen to Calcutta.

On the 19th of April the convoy put to sea with clear weather and favourable breezes. They soon launched out into the great Indian ocean, little interrupted by continents or islands, and where the course of the winds from the south-east, obeying the general causes of their motion, remains steady and regular in the same parallel of latitude. The convoy sailed generally in a line, sometimes about twenty degrees, and afterwards twenty-five degrees to the southward of the Equator; being several degrees to the northward of the course which the same ships found it necessary to pursue in going out from Europe. In the home-

ward passage nothing could be more uniform and pleasant, than the weather and navigation, during an entire month, across the great Indian ocean, from the western points of Java and Sumatra, until the ships approached the meridian of the vast island of Madagascar, and the southern coast of Africa. The atmosphere thereabouts became over-spread with clouds, and the wind changed from the north-east to the point directly opposite. The quicksilver in a marine barometer, so suspended as not to be affected by the motion of the ship, fell suddenly upwards of one quarter of an inch. The depressions of that fluid in the former part of the voyage had not exceeded one-tenth of an inch: yet that small change had always been observed to be followed by a correspondent change of the weather. So certain a prognostic as this instrument had been found to be on every occasion, established its reputation among the officers; and it was consulted by them daily. In the present instance, when the fall was so much greater than it had ever been remarked at any one time before, no inconsiderable degree of alarm was excited, and precautions were taken against the impending storm, which seemed to approach very rapidly. Scarcely was all, in technical language, made snug, when the tempest burst by one of the

most tremendous crashes of thunder ever heard, together with several successive flashes of the most vivid lightning. The air was likewise so dense that one end of the ship was not visible from the other. The rain fell in torrents. There was no wind. In a few minutes the atmosphere becoming somewhat clearer, the *Glatton*, one of the English ships from Canton, was discovered within about a quarter of a mile of the *Lion*; the mizen-top and mizen-top-gallant masts of the former being carried away, and the mizen-mast shivered to pieces by the lightning. It struck the after part of that ship when the captain and officers were at dinner. Several of them were much stunned, and received shocks in different parts of the body, but none were materially injured. It was found that the lightning had followed a bell-wire that led to the surgeon's cabin below, and, meeting with an interruption there, had blown out the port. The quicksilver gradually ascended in the tube as the weather cleared up.

On the 23d of May the weather became again dark and cloudy. The quicksilver sunk still lower than before. The night was squally, and the wind blew sometimes so excessively hard, that several of the *Lion's* sails were split and carried away; and she was obliged to be directed

only by, or to lie to, under a fore-sail and storm stay-sail. In the morning it was found that the convoy had been dispersed. The weather continued violent. The quicksilver continued to descend; and this descent was followed by a most violent gale of wind. The Hindostan sprung or cracked her fore-mast; more sails of the Lion were split, and she hove to under a balanced mizen. In the morning five only of the convoy were in sight.

Such was the tempestuous weather during which the fleet doubled the Cape of Good Hope, steering towards the island of St. Helena; which is so small a speck in the southern part of the Atlantic ocean, that unless a ship sails in the precise track in which it lies, it may be missed; nor can a vessel once to the westward of it, return to it but by a prodigious circuit to the southward, in order to get to the south-east, from whence the trade wind blows generally towards it.

On the 18th of June Sir Erasmus Gower was joined by all the ships under his convoy, and also by his Majesty's ships the Samson and Argo, from Europe. They were all then in sight of St. Helena, the lofty sides of which bear so terrific and inhospitable an appearance, that, probably had there been a cluster of islands in its neigh-

bourhood, as, for example, at Tristan d'Acunha, this apparent heap of rocks would have got the name of "Inaccessible," and have been the last that would have been attempted to be visited.

The fleet, in doubling the island, kept within pistol-shot of its steep and rocky coast, in order to secure their anchorage in the road opposite to a valley, of which the pleasing scenes are justly said, by an ingenious traveller, "to be laid in the lap of horror."

St. Helena lies in the southern part of the Atlantic ocean, distant many degrees of longitude and latitude from any continent or other island; and may be considered as the summit of a great mountain, whose roots are buried in the bottom of the sea. Above its surface the island rises in towering eminences hid frequently in the clouds. The ashes of a volcano cover still some parts of it; and the whole has probably been protruded upwards by the immense power of subaqueous fire. However, no part of the island hitherto examined, seems to have undergone any degree of liquefaction. No layers of minerals, and few of stone, have been discovered within its bowels. The summit of the island is wooded; but is so cold, that fruits will scarcely ripen in it. Clear rills of water issue from the highest peaks, and

take their course abruptly down towards the vallies, which they contribute to fertilize. Storms are little known in the immediate neighbourhood of this island. Thunder is rarely heard, or lightning perceived in it; from whence it is conjectured that little electric matter is scattered in its atmosphere.

The circumference of St. Helena measures somewhat less than twenty-eight miles. Along the whole coast to leeward, or to the northward, ships may anchor in perfect security in all seasons of the year, but the bank shelves so abruptly afterwards, that the anchorage, being in deep water, is insecure. The tide seldom rises above three feet and a half; but the surge of the sea is sometimes tremendous; and several accidents happened in approaching or quitting the shore, until a wharf was erected, lately, which renders the arrival there, and departure from it, perfectly safe.

This little spot was discovered upwards of two centuries ago by the Portugueze. It was taken from them by the English; surprised, from the latter, by the Dutch; and lastly, recovered by the English, likewise by surprise. The steep eminences which intervene between the vallies, that are the chief seats of population, render the communication from one part of the island to

another, slow and difficult. Planters on the windward side of the island consider a journey to the leeward, or seat of government, as a serious undertaking. Several of them take that opportunity of paying their respects to the governor, which sometimes is called there "going to court." There are St. Helena planters who have not travelled so far. At present, by order of the governor, there are signals so placed all over the island, as to give instant notice of the approach of vessels to any part of it.

The situation of St. Helena, in the track of the ships from India and China to Europe, induced the Directors of the East India Company to turn their attention towards rendering it a place of convenient and comfortable refreshment, particularly in the passage home. This has been effected at no inconsiderable expence. Before the island was inhabited, the spontaneous productions that it yielded which could be of any use to man, are said to have been little more than celery and purslain. Cattle, fruits, and vegetables have since been introduced into it from India, Africa, and Europe; and human industry has, in a little time, enabled it not only to supply sufficient provisions for its ordinary sojourners; but to afford refreshments of most kinds to the various

visitors that stand in need of them after landing from a long voyage. The numbers of such visitors, including the crews as well as passengers of the ships lying there at anchor, is sometimes equal to the whole number of the settlement. The chief officers, passengers, and invalids, reside generally ashore during the stay of their respective ships. There are no inns; but every house is open for the reception of strangers, who are considered, for the time, as a part of the family. A moderate compensation is fixed for the host, in return for all the comforts which he ministers to his guests. For those who remain chiefly on board, quantities of fresh meat and vegetables, so grateful and so wholesome after a long marine diet, are furnished at regulated prices to the ships. Supplies of fresh water and fuel are also provided for the remainder of their voyage. In the year 1794, the island had not long recovered from a great calamity. The same general causes which occasioned the drought at St. Jago, mentioned in a former volume of this work, extended probably their baneful influence over the Atlantic, and affected severely St. Helena. Of the stock, alone, of horned cattle, the loss was computed at three thousand, through want of food and water. The evil raged the same length of time, about

three years, as it did nearer to the coast of Africa; but partly from the natural resources of the country, and partly from the management of government, it was much less fatal in its effects at the island of St. Helena, than at those of the Cape Verde; and few traces of it appeared in the former when the Embassy passed there. Verdure was restored to the vallies, and to such higher grounds as were not too steep to retain the moisture with which they had been blessed. Lands laid out in gardens, were improved with considerable advantage to the proprietors. Those of the garrison were sufficient to provide plenty of wholesome vegetables for the sick as well as healthy soldiers. For this purpose the humane governor, desirous to derive public advantage from private offences, allowed the delinquent soldiers to commute, for labour at the military gardens, the punishments to which they were condemned.

Several sorts of fruit trees imported into the island, had been destroyed by a particular insect; but encouragement has been given for the cultivation of those which that mischievous animal is known to spare, such as the apple, for example, with all the varieties of which it is susceptible. The plantain and banana, or the two chief species of the *musa*, thrive also remarkably

well. The ground is fertile, and in favourable seasons produces, in some instances, double crops within the year. Plantations, however, of cotton, indigo, or canes, were not found to answer: tho some good coffee has been produced in it. A botanic garden has been established near the governor's country house. An intelligent gardener has been sent to take care of it by the Company; and a vast variety of trees, plants, and flowers of different, and sometimes opposite climates, are already collected in it. The surrounding sea abounds in esculent fish; and seventy different species, including turtle, have been caught upon the coasts. Whales are seen in great numbers playing round the island, where it is supposed the southern whale fishery might be carried on to great national advantage.

The country is chiefly cultivated by blacks. Persons of that colour were brought in a state of slavery to it by its first European settlers; and it seldom happens that white men will submit to common work where there are black slaves to whom it may be transferred. These were for a long time under the unlimited dominion of their owners, until a representation of the abuses made of that power, induced the India Company to place them under the immediate protection of the

magistracy, and to enact various regulations in their favour; which have contributed to render them, in a great degree, comfortable and secure. These regulations may have hurt, at first, the feelings of the owners of slaves, but not their real interest; for it appears, that before their introduction there was a loss, upon an average, of about ten in a hundred slaves every year, to be supplied at a very heavy expence; whereas, under the present system, they naturally increase. All future importation of slaves into the island is prohibited.

Besides the blacks in a state of slavery, there are some who are free. The labour of these tending to diminish the value of that of slaves, the free blacks became once obnoxious to some slave owners; who had sufficient influence, in a grand jury, to present them as without visible means of gaining a livelihood, and liable to become burdensome to the community; but upon examination it appeared that all free blacks, of age to work, were actually employed; that not one of them had been tried for a crime for several years, nor had any of them been upon the parish. They are now, by the humane interposition of the Company, placed under the immediate protection of the government, and put nearly upon

a footing with the other free inhabitants, who, when accused of crimes, have the privilege of a jury, as well as in civil causes.

While ships are riding in the roads, and the inhabitants busy in supplying their wants, or eager to entertain their guests, their minds occupied also with the foreign events, of which the strangers bring accounts to them, any dissensions subsisting among individuals in the place are suspended for the time ; but it is said, that when the shipping season is over, and the settlement is void of business, as well as of topics of discussion on distant incidents, intestine divisions sometimes revive ; it is, however, an object of government to divert their minds from private feuds, by engaging them in military exercises, or even in domestic amusements, and dramatic entertainments.

The principal settlement of St. Helena has the peculiar advantage of uniting the shelter of a leeward situation, with the coolness of windward gales. The south-east wind blows constantly down the valley, rendering a residence in it pleasant as well as healthy. The country is so fertile, and the climate so congenial to the human feelings, that perhaps it would be difficult to find out a spot where persons, not having acquired a

relish for the enjoyments of the world, or already advanced in life, and surfeited with them, could have a better chance of protracting their days in ease, health, and comfort.

The hills on each side this happy valley, like those which present themselves to the sea, are extremely steep; and require several alternate traverses to render the ascent along them practicable. From the heights the view downwards to the sea is indeed tremendous. It is related upon the spot that an unfortunate mariner, willing, in the gaiety of his humour, to throw from thence a pebble on the deck of his ship, lying at anchor at a distance in the road, he launched it from the overhanging precipice with such unrestrained exertion, that his own body obeyed the impulse, and he flew headlong into the wide gulf below. A man on board the *Lion*, while at anchor in twenty fathoms, or one hundred and twenty feet water, made at this time some bold but successful experiments. This man, who was a native of the Sandwich Islands, plunged frequently from the gunwale of the vessel into the sea, to catch dollars thrown into it for that purpose. He caught them before they reached the bottom; as from their two opposite flat surfaces they descended in so vibratory a direction, that

he had an opportunity of overtaking them. He would also bring up two dollars at once, one thrown towards the head, and another towards the stern of the ship. His activity was indeed surprising in every instance where he had occasion to shew it. He would suffer two Europeans to throw spears at him at the same time, both of which he would divert with, or take in, his hands as they approached him. This man, so extraordinary for his agility, was found in the Republican brig *Amelie* when captured by Sir Erasmus Gower. He passed with apparent willingness on board the *Lion*, perhaps as the larger vessel, where he had been some months, but could not utter one word of French or English; and probably he was not sensible what powers he had served, or that he had altered his allegiance. He was of an open countenance, not unpleasing features, and of a good-natured disposition. Had the powers of his mind been exercised as those of his body were, it is possible that the former might have acquired as remarkable a proficiency as the latter had done. Man is formed, probably, by his nature and his organization, to excel other animals equally in mental and corporal faculties.

On the first of July the fleet, sufficiently re-

reshed to continue the voyage, tho the supplies were scarcer and dearer on account of the late drought, sailed from St. Helena. The convoy was strengthened by the Samson and Argo, and was joined by three Indiamen from Bengal, two from Bombay, and a whaler from the South Seas. The variation of the needle at St. Helena was observed to be then sixteen degrees sixteen minutes west, having increased two degrees in the ten preceding years.

The fleet steered a north-westerly course to the Equator, which was crossed twenty-four degrees of longitude west of Greenwich. The south-east or trade wind continued, not only from St. Helena to the Line, but to the latitude of twelve pегrees north; where a calm detained the ships about ten days. The wind, at length, sprung up from the northern quarter, and veering through the east, it gradually became more steady from the south and west.

During the passage, a party of the gentlemen belonging to the Embassy went on board the Ceres Indiaman, to try the effect of a marine chair, made after a model laid before the Board of Longitude by Sir Joseph Senhouse. The ship was rolling considerably; yet the chair maintained its horizontal position; and distant objects

were kept with great ease within the field of the telescope. Whether such an instrument will ever be brought to such perfection that the satellites of Jupiter may be observed upon it with a telescope in all kinds of weather, so as to deduce the longitude from their immersions and emersions, may be justly doubted; as a great difficulty seems to arise from the effect of a sudden and complicated motion of the ship, produced in cross and confused seas, and to which no correspondent adjustment of the instrument, acting with sufficient quickness to preserve it constantly in an horizontal position, has been yet discovered. The present chair, however, in moderate weather, may afford material assistance in making such observations; and must, in the heaviest seas, facilitate the operation of taking, with a sextant, the angular distances of the heavenly bodies; which, otherwise, without great practice and dexterity, is attended with no slight difficulty on such occasions.

On the twenty-first of July, a fleet of ships was descried to the north-east, and soon eleven sail were counted; five of which appeared to be of considerable magnitude. These were observed to have formed a line of battle abreast, and to bear down towards the convoy, while the others lay to,

to windward. The Lion, Samson, and Argo, formed a line ahead, and the merchantmen were directed to keep to leeward. The private signals were not answered, and the strangers were concluded to be enemies. The weather was very thick; and a heavy cloud accompanied with rain descended between the opposite fleets, and hid them for many minutes entirely from one another. The distance between them before was small; and as they were standing directly towards each other, it was every moment expected that an engagement would take place amidst the fog and rain. The Lion was cleared for action. Several cumbersome articles were thrown over board. Nothing remained upon the decks, except powder and ball, and cannon. The lower deck guns were run out, the drum beat to quarters, and every man was ordered to his station. The medical men were descending to the cock-pit, or bottom of the ship, where in general, out of the reach of shot, they could attend such as should happen to be wounded in the action. The passengers were to act as volunteers; except a boy, whom his father, who was present, thought much too young for such a situation, and proposed to send with the surgeons to the cock-pit. The youth, however, tho not affecting to be insensible of the

danger, revolted from the idea of screening himself from it, while his parent was exposed, and earnestly solicited to remain with him upon deck. This contest of sentiment and affection was, indeed, soon decided, by the disappearance of the fog, which discovered the opposite ships close to each other, but all of them English. The strangers were a fleet of Indiamen from England, under convoy of the Assistance ship of war, whose new signals, not yet communicated to Sir Erasmus Gower, were not consequently understood by him.

The homeward bound fleet continued its course with variable winds, not making any rapid progress. They passed near the Western Islands in the middle of August, when the Spanish and Portuguese ships left them to proceed directly to their own coasts. On the second of September, the fleet were within sight of the southern extremity of Ireland, and spoke a Danish ship that, on the twenty-ninth of August, had been examined by a squadron of seven sail of French men of war, within not many miles of which it appeared, upon computation, that Sir Erasmus Gower's much weaker ships must have passed a very few days before. In steering afterwards for the English Channel, he had some difficulty in keeping sufficiently to

the southward of the Scilly Islands, and in stemming the current which impels vessels to the northward, as is observed and explained by Major Rennell. In sailing up the British Channel, in the night of the fifth of September, the whole convoy were alarmed by the sudden encounter of a vast fleet of large ships steering, with crowded sails, in the opposite direction. It was the grand fleet of Earl Howe. The weather was dark and extremely tempestuous. The consequences of such vessels striking, in the vehemence of their course, those of a smaller size, might be more fatal to the latter than an engagement with an enemy. The masts and yards only, however, of some of the ships run foul of each other, with considerable damage. The next day the Lion anchored in Portsmouth harbour, from whence the Ambassador and other passengers landed, after an absence of near two years; during which time the former had the satisfaction of serving his country, in a situation both of much novelty and delicacy. The scenes and objects which the rest had an opportunity of observing, left a gratifying and durable impression upon the minds of many of them, beyond all the events of the former period of their lives.

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Hou-pe

Hou-na

Ho-nan

Shan-tu

Shan-se

Shen-se

Kan-sou

Se-chuen

Canton

Quang-s

Yu-nan

Koei-che



APPENDIX.

I.

Table of the Population and Extent of China proper, within the Great Wall. Taken in round numbers from the State-ments of Chow-ta-zhin.

Provinces.	Population.	Square Miles.	Acres.
Pe-che-lee -	38,000,000	58,949	37,727,360
Kiang-nan, } : provinces }	32,000,000	92,961	59,495,040
Kiang-see -	19,000,000	72,176	46,192,640
Tche-kiang -	21,000,000	39,150	25,056,000
Fo-chen - -	15,000,000	53,480	34,227,200
Hou-pe } Hou- Hou-nan } quang }	{ 14,000,000 13,000,000 }	144,770	92,652,800
Ho-nan - -	25,000,000	65,104	41,666,560
Shan-tung -	24,000,000	65,104	41,666,560
Shan-see -	27,000,000	55,268	35,371,520
Shen-see -	18,000,000	154,008	98,565,120
Kan-sou - -	12,000,000		
Se-chuen -	27,000,000	166,800	106,752,000
Canton - -	21,000,000	79,456	50,851,840
Quang-see -	10,000,000	78,250	50,080,000
Yu-nan - -	8,000,000	107,969	69,100,160
Koei-cheou -	9,000,000	64,554	41,314,560
	333,000,000	1,297,999	830,719,360

II. *Account of Revenue received into the Imperial Treasury at Peking from the different Provinces of China proper. Taken from the*

Provinces.	Tahels, or Ounces of Silver.	Total Tahels.	Measures of Rice and other Grain.	Population in Millions.
Pe-che-lee	2,520,000 Land 437,000 Salt 79,000 other Tax.	3,036,000	None.	38
Kiang-nan	5,200,000 Land 2,100,000 Salt 910,000 Taxes	8,210,000	1,440,000.	52
Kiang-see	1,900,000 Land 220,000 Taxes	2,120,000	795,000	19
Tche-kiang	3,100,000 Land 520,000 Salt 190,000 Taxes	3,810,000	780,000	21
Fo-chen -	1,110,000 Land 87,000 Salt 80,000 Taxes	1,277,000	None.	15
Hou-pe	1,300,000 Land 10,000 Taxes	1,310,000	100,000	14
Hou-nan	1,310,000 Land 35,000 Taxes	1,345,000	100,000	13
Ho-nan -	3,200,000 Land 13,000 Taxes	3,213,000	230,000	25
Shan-tung	3,440,000 Land 130,000 Salt 30,000 Taxes	3,600,000	360,000	24
Shan-see -	3,100,000 Land 510,000 Salt 112,000 Taxes	3,722,000	None.	27
Shen-see -	1,660,000 Land 40,000 Taxes	1,700,000	None.	18
Kan-sou -	300,000 Land 40,000 Taxes	340,000	220,000	12
Se-chuen -	640,000 Land 30,000 Taxes	670,000	None.	27
Canton -	1,280,000 Land 50,000 Salt 10,000 Taxes	1,340,000	None.	21
Quang-see	420,000 Land 50,000 Salt 30,000 Taxes	500,000	None.	10
Yu-nan -	210,000 Land	210,000	220,000	8
Koei-cheou	120,000 Land 10,000 Salt 15,000 Taxes	145,000	None.	9
	Tahels	36,518,000	4,245,000	321

III.

A List of the chief Civil Officers of China, distinguishing their Number, Station, and Salaries.

N ^o .		Salary of	Total.
		each. per ann.	
11	The Tsong-too, or viceroy, over one or more provinces - - -	Tahels. 20,000	220,000
15	The Fooyen, or governor, under him, of each province - - -	16,000	240,000
19	The Hoo-poo, or fiscal, the chief officer of revenue - - -	9,000	171,000
18	The An-za-tze, or president of the criminal tribunal - - -	6,000	108,000
86	The Tao-quen, or governor, presiding over more than one city of the first order, and their dependencies -	3,000	258,000
184	The Foo-yuen, or governor, only of one city of the first order, and its dependencies - - -	2,000	368,000
149	The Kiou-quen, or governor, of a city of the second order - - -	1,000	149,000
1305	The Sien-quen, or governor, of a city of the third order - - -	800	1,044,000
17	The Siou-jou, or president of science and examinations - - -	3,000	402,000
117	The Cho-tao, or inspectors general -		
			2,960,000

IV.

A List of the chief Military Officers of China, their Number, Rank, and Salaries.

No	Rank.	Salary of	Total.
		each per ann.	
		Tahels.	Tahels.
18	The Tou-tou - - - -	4,000	72,000
62	The Zun-ping - - - -	2,400	148,800
121	The Fou zien - - - -	1,300	157,300
165	The Tchou-zien - - - -	800	132,000
373	The Giou-zi - - - -	600	223,800
425	The Tou-tze - - - -	400	170,000
825	The Sciou fou - - - -	320	264,000
1680	The Zien-zun - - - -	160	268,800
3622	The Pa-zun - - - -	130	470,870
44	The commissaries of corn and provisions of the first rank, Sciou-zun	320	14,080
330	The commissaries of corn and provisions of the second rank, Zien-zun - - - -	160	52,800
			1,974,450

A rough Calculation of the Military Establishment of China.

1,000,000 Infantry, at two ounces, or tahels of silver each per month, provisions included - - - -	24,000,000	
800,000 Cavalry, at four ounces each, provisions included - - - -	38,400,000	
If 800,000 horses cost, at twenty ounces each = 16,000,000 ounces, the annual wear and tear at ten per cent. will be	1,600,000	
Uniforms for 1,800,000 men, once a year, at four ounces each - -	7,200,000	
Yearly wear and tear of arms, accoutrements, contingencies, &c. at one ounce per man, on 1,800,000 men - -	1,800,000	73,000,000
		74,974,450

V.

Trade of the English and other Europeans to, and from, China.

A few years ago, the exports to China, on the Company's account, in English goods and in English bottoms, scarcely exceeded £100,000 per annum. The private trade was nearly as much. The balance for teas and other goods was paid in silver. Since the Commutation Act, the exports have been gradually rising, but are yet far from having reached their highest point. There were imported into Canton in 1792, from England, in sixteen Company's ships, to the amount of near £1,000,000, in lead, tin, woollens, together with furs, and other articles of private trade. The order for woollens only the following year, was £250,000. higher than the preceding year.

The value of exports from China to England in 1794, was above £1,500,000. prime cost, beside freight and charges of merchandize, and will have probably produced above £3,000,000.

The legal trade from the British dependencies in India to Canton, in 1792, amounted to very near the sum of £700,000. besides opium, which is clandestinely imported there, to the amount of about £250,000. The articles legally imported consisted of cotton, tin, pepper, sandal wood, elephants teeth, and bees wax.

The exports from Canton to India, amounted only, in 1792, to £330,000. leaving a vast balance in favour of India, which is paid in cash. The articles purchased for India, consist chiefly of raw and wrought silk, sugar, and sugar candy, tutenag, alum, porcelain, camphor, Nankeen cloth, quicksilver, and turmeric.

The total imports from foreign European nations to Canton, in 1792, amounted to £200,000, and their exports to upwards of £600,000. Many of the imports were of British manufacture.

VI.

Account of Teas exported from China to Europe in Foreign and English Ships; the former from the Diaries transmitted to England by the English Supercargoes; the latter from the Invoices of Ships arrived safe.

Exported from China, in Season, ending March	Foreign Ships.	Tea. lb.	English Ships.	Tea. lb.	Total Ships.	Total Weight. lb.
1772	8 containing	9,407,564	20 containing	12,712,283	28	22,119,847
1773	11 do	13,652,738	13 do	8,733,176	24	22,385,914
1774	12 do	13,838,267	8 do	3,762,594	20	17,600,861
1775	15 do	15,652,934	4 do	2,095,424	19	17,748,358
1776	12 do	12,841,596	5 do	3,334,416	17	16,176,012
1777	13 do	16,112,000	8 do	5,549,087	21	21,661,087
1778	15 do	13,302,665	9 do	6,199,283	24	19,501,948
1779	11 do	11,302,266	7 do	4,311,358	18	15,613,624
1780	10 do	12,673,781	5 do	4,061,830	15	16,735,611
	107	lb. 118,783,811	79	lb. 50,759,451	186	lb. 169,543,262
Average of 9 Years	12	lb. 13,198,201	9	lb. 5,639,939	21	lb. 18,838,140

The best information procurable, estimates the annual consumption of tea by foreigners in Europe at most	}	lb. 5,500,000
Must have been smuggled into Great Britain and her dependencies at least		lb. 7,698,201

Consumed by foreigners in Europe at most	}	lb. 5,500,000
- - - - -		

Consumed by Great Britain and her dependencies at least	}	lb. 13,338,140
- - - - -		

which at 700,000 lb. per ship, would employ 38 large ships constantly in the China trade, instead of 18 ships, as above, most of which were small. One fleet is going out, when another is coming home.

The above is exclusive of private trade Teas, brought legally and illegally into Europe. Confidential information asserts, that the English ships have often smuggled from 1000 to 3000 chests of Tea each; also that the foreign captains bring a large quantity of Tea, which they either smuggle at sea, or throw into the tea, the punishment being severe. The loss to the public on 1000 chests of Hyson Tea smuggled, is above 20,000l.

Average quantities for one year of each sort of Tea, sold by the East India Company in ten years, from March Sale 1773 to September Sale 1782 inclusive, exclusive of private trade, which was trifling.

Bohea	- - - -	lb. 3,075,307
Congou	- - - -	523,272
Souchong and Pekoe	- - - -	92,572
Singlo	- - - -	1,832,474
Hyson	- - - -	218,839
		lb. 5,742,464

A Plan to prevent Smuggling Tea, by taking off all the present Duties of Customs and Excise on Tea, and laying a small Tax on such Houses only as pay the window Tax; by which means the Kingdom at large would be greatly benefited, as hereafter described. Submitted to Government in 1783.

Total of *real Tea* consumed in Great Britain and her dependencies, lb. 13,300,000 per Annum, which would employ 38 *ships* and 4560 *seamen* constantly in the China trade, instead of 18 ships and 2000 seamen.

The amount of Customs and Excise on Tea on an average, without deducting the heavy charges of collection and management, is, per Annum, about - - - - - £. 700,000

Proposed that each house, charged with the Window tax, be also charged as followeth, per Ann.

			s. d.	£.
Houses under	7 Windows each	286,296 at	10 6	150,305
	7 to 10 ditto	211,483	16 0	169,186
	11 ditto - -	38,324	21 0	40,240
	12 to 13 ditto -	25,919	31 6	40,822
	14 to 19 ditto -	67,652	42 0	142,069
Some of these might be rated much higher and produce 100,000 <i>l.</i> more	} 20 and upwards	52,403	70 0	183,410
England and Wales		682,077 h ^s .		726,032
Scotland		17,734 10 6		} 9,310
		on an average		
Houses		699,811		735,342

(Mr. Pitt altered the rates here proposed to be charged upon Windows, and retained a duty of £12. 10s. per cent. upon Tea, by which he proposed to raise £. 169,000. per Annum, and by the Window tax £. 600,000. per Annum.)

The Public being intitled to three-fourths of the Company's profit, above 8 per cent. on their capital stock (as per agreement in 1781) will by this Plan gain at the least per Annum - £. 200,000.

Saved in the charges of collection, &c. per Ann.

Tax on tea gardens, taverns, coffee-houses, and inns, in England - - -

Tax in Ireland, West Indies, &c. - - -

Tax on Tea dealers, as at present - - -

The above account of houses taxed, is the number of houses inhabited and charged with the Window tax, as per list published by the Exchequer.

According to Dr. Price's Account, there are five persons to a house, or 5,000,000 in England and Wales.

682,077	{ Houses in England and Wales would be taxed, containing 5 persons each, or - - - }	3,410,385
317,923	{ Houses and cottages, ditto and ditto, untaxed, ditto }	1,589,615
1,000,000	{ Houses and cottages, contain- ing about - - - }	5,000,000

* 5,000,000 *Poor persons*, beside *servants*, in England and Wales, according to the Rev. Mr. Howlett's Account, which is found to be right, would drink tea free from tax duty.

		Persons.
* 682,007 houses taxed at $5\frac{2}{3}$ ths persons each		3,682,000
927,000 ditto untaxed at - ditto -		5,005,000
1,609,000 houses in Eng ^d . and Wales containing		8,687,000

Besides soldiers in barracks, poor in country workhouses, people who live on the water, &c.

The following Statement will shew the advantage arising to those whose houses are to be taxed in lieu of Customs and Excise.

Prices of tea at the Company's sales on an average of 10 years, from March, 1773 to September, 1782 inclusive, discount deducted, out of which the Company pay the customs.

	Bohea.	Congou.	Souchong.	Singlo.	Hyson.
	s. d.	s. d.	s. d.	s. d.	s. d.
	2 4 ³⁹ per lb.	4 3 ⁸⁸ per lb.	5 2 ⁵⁵ per lb.	4 2 ⁸¹ per lb.	8 5 ³⁹ per lb.
Excise on the same paid by the Buyers.	1 11 ³⁹	2 6 ⁹³	2 10 ³⁴	2 6 ⁵⁹	3 10 ⁷⁸
Cost the Buyers in 1782.	4 3 ⁸⁸	6 10 ⁸¹	8 — ⁸⁹	6 9 ⁴⁰	12 4 ¹⁷
Would cost on the proposed Plan.	1 8 ³⁷	2 5 ⁹³	3 3 ³⁷	3 3 ⁵⁷	5 7 ³³
Saved by Consumer.	2 7 ¹¹	4 4 ⁸¹ per lb.	4 9 ⁶² per lb.	3 6 ¹³ per lb.	6 8 ⁸⁵ per lb.
Saved as before stated.					
s. d.					
A common family consumes per Ann. at least 15 lb. Bohea	-	-	-	2 7 per lb.	or £ 1 18 9
Deduct Tax on the House	-	-	-	-	- 10 6
The family will save per Annum by this plan	-	-	-	-	£ 1 8 3

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A common family consumes per Ann. at least 15 lb. Bohea		s. d.			
Deduct Tax on the House		2 7	per lb.	or	£ 1 18 9
		-	-	-	- 16 -
The family will save per Annum by this plan		-	-	-	£ 1 4 9
A middling family consumes	s. d.	Saved.			
	per Ann. 12 lb. of Congou	4 4 ⁶⁰			
	and Singlo ditto	3 6 ¹³	12 lb. 3 11	per lb. or	£ 2 7 -
		7 11 ²			
Average		- - 3 11 ⁵¹			
3 lb. Hyson	-	-	s. d.		
15 lb.	-	-	6 8	ditto	- 1 -
Deduct Tax on the House		-	-	-	£ 3 7 -
		-	-	-	- 1 1 -
The family will save by this plan		-	-	-	£ 2 6 -
Ditto 8 lb. of Congou and Singlo	-	-	at 3s. 11d. per lb. or		£ 1 11 4
	and 8 ditto Hyson	-	6s. 8d. ditto		2 13 4
Deduct Tax on the House		-	-	-	4 4 8
The family will save per Annum by this plan		-	-	-	1 11 6
		-	-	-	£ 2 13 2

A common genteel family will save per Ann. 16 lb. Hyson		-	-	at 6s. 8d. per lb. or	£ 5 6 8
Deduct Tax on the House		-	-	-	2 2 -
The family will save per Annum by this plan		-	-	-	3 4 8
A genteel family ditto 24 lb. Hyson		-	-	at 6s. 8d. per lb. or	£ 8 - -
Deduct Tax on the House		-	-	-	3 10 -
The family will save per Annum by this plan		-	-	-	4 10 -

	s.	d.	s.	d.		
The Inhabitants of 286,296 houses taxed at 10 6 save 28 3 per ann. amounting to						£. 404,393
ditto 211,483 ditto	16 0	do	22 9	ditto	-	240,561
ditto 38,324 ditto	21 0	do	46 0	ditto	-	88,145
ditto 25,919 ditto	31 6	do	53 2	ditto	-	68,901
ditto 67,652 ditto	42 0	do	64 8	ditto	-	218,741
ditto 52,403 ditto	70 0	do	90 0	ditto	-	235,813
Saved by Inhabitants of 682,077 Houses taxed in England and Wales					-	£. 1,256,554
ditto - ditto untaxed in ditto					-	-
ditto - ditto - Scotland and Ireland, &c.					-	-

Although the foregoing plan is founded on the consumption of only 13,000,000 lb. per ann. there is great reason to believe 18 or 20,000,000 of pounds of *real Tea* would be consumed at moderate prices, as it is well known that many millions of pounds of ash, sloe, and other leaves of trees are annually dyed and sold as Tea, notwithstanding three acts of parliament, have been made to prevent such practices, viz. about 1724, 1730, and 1776.

The inhabitants of almost every house in the kingdom drink some Tea; those who do not, will receive more benefit than the amount of the tax from the increased advantages already mentioned, the participation of three-fourths of the profits on the extra quantity of Tea that will be sold by the East-India Company, the keeping in this their native country a very considerable sum per ann. that at present is paid to foreigners for Tea smuggled, beside the national advantage to accrue by building and repairing the increased number of ships, making masts, sails, rigging, &c. the providing stores of various kinds for them, and employing above 2400 extra sailors. As the British shipping, trade, and profits will be increased, if this plan is adopted, those of other nations will be decreased.

Observations necessary to attend the Plan for taking off the Duties of Customs and Excise on Tea, imported by the English East-India Company.

The Underwriters at Lloyd's Coffee-house do not remember any foreign ship coming from China to Europe, being lost during the Seasons 1772 to 1783, therefore the quantities of Tea exported from China, as per Plan, in foreign ships, certainly arrived in Europe.

Presumptive proofs of the quantities of *Tea, real* and *factitious*, consumed in Great Britain and Ireland.

Almost all the poor in the manufacturing towns, and on the sea coasts, drink tea constantly; as also the greater part of most other towns and villages; the genteel people in every part, of the kingdom drink tea. The poorest person uses $1\frac{1}{2}$ to 2 ounces per week, or 5 lb. to $6\frac{1}{2}$ lb. per annum.*

* On the coasts of Dorsetshire, Devonshire, and Cornwall, &c. the poor cannot afford small beer; their only beverage is smuggled Bohea Tea without sugar, mixed with skimmed milk; those people, already miserable, would be much more so, if debarred from such cheap and wholesome drink.

According to Dr. Price there are 5,000,000 persons in England and Wales.

The Rev. Mr. Howlett says 9,000,000 ditto.

The Right Hon. Edmund Burke supposes 6,000,000 ditto, or rather more.

Suppose only 6,000,000, and that half of them are children and others who do not drink tea, which is making a large allowance; there remains 3,000,000 persons at $5\frac{1}{2}$ lb. each, at least,

or lb. 16,500,000 consumed in England and Wales.

and 1,500,000 exported annually, chiefly to Ireland.

lb. 18,000,000

Exclusive of the above, several millions of pounds weight are consumed annually in Ireland, Scotland, and the West Indies.

The following Statement, I believe, is true, and nearly agrees with the foregoing account.

Tea delivered annually from the Company's		
warehouses for home consumption	-	lb. 4,500,000
Ditto exported annually, chiefly to Ireland	-	1,500,000
Ditto smuggled, and manufactured in		
Dorset, Devon, and Cornwall, about		4,000,000
Ditto ditto ditto	in	
Hampshire and Sussex, about	-	3,000,000
Ditto ditto ditto	in	
Kent, about	-	2,000,000
Ditto ditto ditto	in	
Essex, Suffolk, and Norfolk, about		3,000,000

lb. 18,000,000

Consumed in Ireland, Scotland, the North } Several millions
of England, and the West Indies, beside } of pounds
the lb. 1,500,000, afore-mentioned } weight.

So that all above lb. 13,300,000, or thereabout, appear to be factitious tea.

Three acts of Parliament passed in or about 1724, 1730, and 1776, to inflict penalties on persons who should thereafter be convicted of dying or altering tea, or manufacturing ash, sloe, or liquorice-tree leaves, or any other leaves to represent tea. I presume the Parliament had strong proofs of the practice before them at those times; if not, they might have had; and may now. In 1745, a Committee of the House of Commons was appointed to inquire into the pernicious effects of smuggling. Sir Stephen Theodore

Jansen published their Report, with observations. Similar evils now exist. The Lords of his Majesty's Treasury may order the officers of Customs and Excise in Great Britain to return *an estimate* of the quantities of tea, real and factitious, supposed to be consumed in their different districts annually: also the estimated proportion of persons in each district who drink tea, with such observations respecting tea as may occur to them. The officers' returns would probably support my estimate of the consumption.

If the English imported lb. 13,000,000 of tea or upward, and sold the same at low prices, as per plan, foreigners would import less in proportion, and the cash now lent to them would be paid to the English for bills on England at a much lower rate of exchange than at present.

The enormous charges in India must soon cease, and it is hoped, with proper management, the revenues, aided by the usual exports from England, after providing cargoes and supplying other settlements, may pay off part of the bond debt in India, and send £. 500,000 annually to China.

Whilst the price of bullion continues high in England, and cash scarce in China for remittance, which latter will not probably exist longer than the present season (1783) the Company could have part of their China cargoes on bond.

Immediately upon the bill being passed, a vessel should be dispatched privately to China, with instructions to the supercargoes.

Also a dispatch over land, to Bengal, Madras, and Bombay, with orders to assist China with as much cash and goods as convenient, without drawing bills; likewise to a certain amount for bills, under particular circumstances.

The cost in China of Imports 1773 to 1782 inclusive, at 5s. 3d. per dollar, or 7s. 3d. per tale.

Nt. lb. 6,000,000 of Bohea
 3,000,000 of Congou
 300,000 of Souchong
 3,000,000 of Singlo
 700,000 of Hyson

lb. 13,000,000	-	-	£ 722,245
2,000 Peculs of raw silk, at 275 Tales per Pecul			200,000
20,000 Pieces Nankeen	-	-	3,100
China ware and sago for 20 ships	-	-	20,000

945.345

		Brought forward	£945,345
Charges on merchandize stores for the factory	-	-	
and for Saint Helena	-	-	54,655
Investment for one Year		-	1,000,000
These Articles may be increas- ed and produce a profit.	Exported annually from Eu- rope to China, about	-	100,000
	Pepper from Bencoolen to ditto	-	20,000
	Ditto cotton, sandal wood, &c.	-	30,000
	from Bombay to ditto ditto	-	150,000
Suppose Bengal (in peace) may send		-	500,000
Bills of exchange and certificates to be drawn for		-	350,000
			£ 1,000,000

The quantities of Tea arrived and expected to arrive in 1783
and 4, if all the Tea arrives that is ordered, will leave,
after making a small Sale for March 1784, as follows:

Bohea	lb. 12,340,000 or 2 years consump.	} at 13,000,000 per Ann.
Congou	- 6,640,000 or 2 ditto	
Souchong	- 380,000 or 1 and $\frac{3}{4}$ ditto	
Singlo	- 5,260,000 or 1 and $\frac{3}{4}$ ditto	
Hyson	- 880,000 or 1 and $\frac{1}{4}$ ditto	

Nt. lb. 25,500,000 expected to be unsold in England
previous to September, 1784, which at 13,000,000 per An-
num, will nearly supply the Sales to September, 1786 ex-
clusive; therefore, if a considerable part should not arrive
till 1785, it would be in time.

PROPOSED SALE.

	Quantity.	Gross Price. s. d.	Gross Amount.	Price, discount deducted.		which may be re- tailed in any Part of the Kingdom	s. d.
				s. d.	per lb.		
Bohea	Nt. lb. 6,000,000 at 1 10 per lb.		£550,000	1 8 $\frac{57}{100}$			for 2 0 per lb.
Congou	3,000,000	2 8	400,000	2 5 $\frac{92}{100}$		ditto	3 0
Souchong	300,000	3 6	52,500	3 3 $\frac{27}{100}$		ditto	4 0
Singlo	3,000,000	3 6	525,000	3 3 $\frac{27}{100}$		ditto	3 to 4
Hyson	700,000	6 0	210,000	5 7 $\frac{32}{100}$		ditto	5 to 7
Nt. lb. 13,000,000			£ 1,737,500				
			112,937				
		Dis. 6 $\frac{1}{2}$ per Ct.					
			£ 1,624,563				
					Average 2 s. 6 d. per lb.		

Cost on an Average of 10 Years Imports, ending 1782.	Average Sale Amount of 10 Years, ending September Sale 1782.
At 5s. 3d. per Dollar, or 7s. 3d. per Tale	
Customs as in 1783	£ 308,590
Freight and Demorage	£ 27 10d. per Cent. 293,670
Charges on Merchandize	£ 28 per Ton 194,100
	£ 5 per Cent. 48,800
	<u>£ 845,160</u>
Profit	131,206, or 4 and $\frac{1}{2}$ per Cent. on the Capital.
	<u>£ 976,366</u>
To Cost of 13,000,000 lb. at the same Prices and Rates,	
as above	£ 722,240
Customs free	0
Freight and Demorage at	£ 28 per Ton 425,400
Charges of Merchandize at	£ 5 per Cent. 81,200
	<u>£ 1,228,840</u>
Profit	395,723, or 12 and $\frac{1}{2}$ per Cent. on the Capital.
	<u>£ 1,624,563</u>

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If the Revenues and Trade, exclusive of Tea, produce £8 per Ct. the Profits on Tea would be divided thus:

Company. Public.

Profit on one Year's Sales at present £131,200 equal to £4½ per Cent. on the Capital £32,800 98,400
Ditto 13,000,000 lb. more than ditto 264,500 ditto 8¼ 198,375

Profit on 13,000,000 lb. Tea - £395,700 ditto 12 and ⅓ ditto £98,925 296,774

If the whole profit arising from the Trade and Revenues should be necessary to make a Dividend of £8 per Cent. to the Proprietors; to reduce the bond debt to £1,500,000; to pay off the simple contract debts of the Company; and the public agree to forego any participation until said purposes are effected; the Company will receive, in aid thereof, the profit on the extra quantity of Teas estimated to be sold between the first of September, 1784 and the first of March, 1788, amounting to £925,000

If all Teas, excepting Bohea, should be sold for 6d. per lb. more than proposed in the plan, which they may well bear, the profit per Annum will be £175,000 more, or in the above Period

525,000
£1,450,000

May probably be received for Tea to be sold as per plan, to the 1st March, 1788

May probably be received ditto to be sold, as usual, to ditto - £3,420,000 5,690,000

Deduct Customs to be paid - - - - - 1,030,000

2,390,000

May be received more than usual to the 1st March, 1788

- - - - -

3,300,000

May probably be paid to the 1st of March, 1788, more than estimated, viz.

For freight and demorage of 32 ships, that may arrive by 1787, with extra Tea	-	-	£ 700,000	
Impress on 20 ships, export Seasons 1786 and 1787	-	-	40,000	
			<u>£ 740,000</u>	
For Bills of Exchange for purchase of extra quantity of Tea that may arrive in 1785, and be due about June, 1786	-	-	350,000	
Ditto ditto in 1786, and ditto ditto in 1787	-	-	450,000	
			<u>800,000</u>	
Charges of Merchandize on said Tea	-	-	100,000	1,640,000
				<u>1,660,000</u>
May probably remain on the 1st March, 1788, more than by the usual Sales of Tea	-	-	-	
If all Teas, excepting Bohea, should be sold for 6d. per lb. more than proposed in the plan, will also remain	-	-	-	525,000

East India House,
the 14th Sept. 1783.

W. RICHARDSON.

£ 2,185,000

VII. *An Account of the Quantities of Teas exported from China, in distinguishing each*

	Ships.	1776	Ships.	1777	Ships.	1778	Ships.	1779	Ships.	1780
By Swedes -	2	lb. 2,562,500	2	3,049,100	2	2,851,200	2	3,258,000	2	2,626,400
Danes -	2	2,833,700	2	2,487,300	2	2,098,300	1	1,388,400	3	3,983,600
Dutch -	5	4,923,700	4	4,856,500	4	4,695,700	4	4,553,100	4	4,687,800
French -	3	2,521,600	5	5,719,100	7	3,657,500	4	2,102,800		
Imperial -									1	1,375,900
Hungarian -										
Tuscan -										
Portugueze -										
American -										
Prussian -										
Spanish -										
Total Foreign -	12	lb. 12,841,500	13	16,112,000	15	13,302,700	11	11,302,300	10	12,673,700
English private trade included.	5	3,402,415	8	5,673,434	9	6,392,788	7	4,372,021		none imported
	17	lb. 16,243,915	21	21,785,434	24	19,695,488	18	15,674,321	10	12,673,700
		1786		1787		1788		1789		1790
By Swedes -	4	lb. 6,212,400	1	1,747,700	2	2,890,900	2	2,589,000		
Danes -	3	4,578,100	2	2,092,000	2	2,664,000	2	2,496,800	1	1,773,000
Dutch -	4	4,458,800	5	5,943,200	5	5,794,900	4	4,179,600	5	5,106,900
French -	1	466,600	1	382,260	3	1,728,900	1	292,100	1	294,300
Imperial -										
Hungarian -										
Tuscan -										
Portugueze -										
American -	1	695,000	5	1,181,860	2	750,900	4	1,188,800	14	3,093,200
Prussian -					1	499,300				
Spanish -							2	318,400		
Genoese -										
Total Foreign -	13	lb. 16,410,900*	14	11,347,020	15	14,328,900	15	11,064,700	21	10,267,400
English private trade included.	18	13,480,691	27	20,610,919	29	22,096,703	27	20,141,745	21	17,991,030
	31	lb. 29,891,591	41	31,957,939	44	36,425,603	42	31,206,445	42	28,258,430

* Most of these foreign ships went to China, previous to the Commutation.
 † Part of these should have arrived in 1780.

*China, in English and Foreign Ships, in each Year from 1776,
ing each Year.*

1780	Ships.	1781	Ships.	1782	Ships.	1783	Ships.	1784	Ships.	1785
2,626,400	3	4,108,900	2	3,267,300	3	4,265,600	3	4,878,900		
3,983,600	2	2,341,400	3	4,118,500	4	5,477,200	3	3,204,000	4	3,158,000
4,687,800	4	4,957,600							4	5,334,000
								4,231,200	4	4,960,000
1,375,900							5	3,428,400		
	1	317,700								
					1	933,300				
					8	3,954,100			4	3,199,000
									2	880,100
							2	3,329,800		
12,673,700	10	11,725,600	5	7,385,800	16	14,630,200	21	19,072,300*	18	17,531,100*
none imported	17	11,592,819	9	6,857,731	6	4,138,295	13	9,916,760	14	10,583,628
12,673,700	27	23,318,419	14	14,243,531	22	18,768,495	34	28,989,060	32	28,114,728
1790		1791		1792		1793		1794		1795
			1	1,591,330	1	1,559,730	1	756,130		
1,773,000	1	520,700			1	852,670			1	24,670
5,106,900	3	1,328,500	2	2,051,330	3	2,938,530	2	2,417,200	4	4,096,800
294,300	2	442,100	4	784,000	2	1,540,670				
					1	393,870				
3,093,200			3	1,863,200	6	1,538,400	7	1,974,130	7	1,438,270
	3	743,100	1	5,070		400			1	
	1	260			2	578,930	2	289,470	1	17,460
10,267,400	10	3,034,660	12	6,294,930	19	9,403,200	12	5,436,930	14	5,577,200
17,991,032	25	22,369,620	11	13,185,467	16	16,005,414	18	20,728,705	21	23,733,810
28,258,432	35	25,404,280	23	19,480,397	35	25,408,614	30	26,165,635	35	29,311,010

mmutation Act, which passed into effect in England in September, 1784.

VIII.

An Account of the Amount of Goods and Bullion exported by the East India Company to China, in each Year from 1775 to 1795 inclusive; distinguishing the Amount of Goods and Bullion in each Year.

Seasons.	British Goods, chiefly Woollens.	Bullion.	Totals.
1775	99,113	—	99,113
1776	107,848	88,574	196,422
1777	116,281	—	116,281
1778	102,694	—	102,694
1779	104,846	—	104,846
1780	107,482	—	107,482
1781	141,734	—	141,734
1782	106,125	—	106,125
1783	120,085	—	120,085
1784	177,479	—	177,479
1785	270,110	704,253	974,363
1786	245,529	694,961	940,490
1787	368,442	626,869	995,338
1788	401,199	469,408	870,607
1789	470,480	714,233	1,184,713
1790	541,172	—	541,172
1791	574,001	377,685	951,686
1792	680,219	—	680,219
1793	760,030	—	760,030
1794	744,140	—	744,140
1795	670,459	—	670,459
£	6,909,468	3,676,010	10,585,478

IX.

An Account of the Number of Ships, with the Number of Tons, Builders' Measurement of said Ships, arrived from China in 1776 and following Years; distinguishing each Year.

	Number of Ships.		Builder's Measurement. Tons.	
1776	5	—	3,951	8 years, tons <u>48,476</u>
1777	8	—	6,310	
1778	9	—	7,211	
1779	7	—	5,429	
1780	—	—	—	average <u>6,059</u>
1781	17	—	13,557	part should have arrived in 1780.
1782	9	—	7,090	
1783	6	—	4,928	lb. 17,312,484 Tea bought on the continent of Europe during this period.
1784	13	—	10,347	
1785	14	—	11,103	
1786	18	—	14,465	
1787	28	—	20,954	Mars, tons 697, wrecked off Margate, not included.
1788	29	—	21,775	
1789	27	—	20,662	9 years, tons <u>164,774</u>
1790	21	—	18,091	
1791	25	—	19,964	average <u>18,308</u> lb. 3,212,225 Tea bought on the continent of Eu- rope this year.
1792	11	—	11,454	
1793	16	—	14,171	
1794	18	—	17,459	
1795	21	—	20,244	

In the latter years many of the ships were of very large dimensions, and brought more surplus tonnage in proportion.

An Account of the Quantities of Teas sold by the East India Company since the Commutation Act commenced, including Private Trade, viz from the 1st September, 1784 to the 1st March, 1797, with a comparison of what the same would have cost the Buyers at the sale Prices and Duties previous to the Commutation Act. Also an Account of the King's Duty on Teas sold between the 1st September, 1784 and the 1st March, 1797.

K k

Bohea	lb. 47,861,460	sold for	£ 3,878,940	45. 3 ¹ / ₄ d.	£ 10,320,127
Congou	83,701,233	—	13,357,902	6 10 ¹ / ₂	28,685,110
Souchong	13,633,013	—	2,809,727	8 7 ¹ / ₂	5,502,908
Singlo	51,212,761	—	7,199,751	6 8 ¹ / ₂	17,177,614
Hyson	19,865,218	—	5,568,721	11 10 ¹ / ₂	11,805,320
lb. 216,273,685			£ 32,815,041		£ 73,491,079
Duty on the above			4,832,189		

Total cost to the buyers £ 37,647,230
Balance in favour of the public 35,843,849

in 14½ years, being £ 2,471,988 * average
per annum.

Would have cost at the old prices and duties £73,491,079

• This sum or thereabout must have been paid annually to foreigners for real Teas, and to the manufacturers of fictitious Teas, as the demand for Teas has not increased.

King's duty on Tea sold between the 1st September, 1784 and the 1st March, 1797, being from the commencement of the commutation act.

From 1st Sept. 1784 to 1st March 1785				£ 180,174
1st March 1785 to 1st March 1786				292,193
1786	—	1787	—	314,945
1787	—	1788	—	316,646
1788	—	1789	—	307,317
1789	—	1790	—	326,817
1790	—	1791	—	340,170
1791	—	1792	—	344,239
1792	—	1793	—	351,710
1793	—	1794	—	334,576
1794	—	1795	—	380,805
1795	—	1796	—	636,971
1796	—	1797	—	705,572
				£ 4,832,189

From the 1st Sept. 1784 to Mar. 1795 the duties were £ 12 10 per cent.

Mar. 1795 to Mar. 1796 the duties were £ 20 per cent.

Mar. 1797 the duties were £ 30 per cent. on all Teas that may sell at and above 2s. 6d. per pound.

FINIS.

